



# ORANGE COUNTY FIRE AUTHORITY

## AGENDA

### EXECUTIVE COMMITTEE REGULAR MEETING

Thursday, May 27, 2021

5:30 P.M.

**Regional Fire Operations and Training Center  
Board Room**

1 Fire Authority Road  
Irvine, CA 92602

Dave Shawver, Chair

Michele Steggell, Vice Chair

Shelley Hasselbrink • Joe Muller • Donald P. Wagner • Noel Hatch  
Gene Hernandez • Leticia Clark • John O'Neill

Ex Officio Member - Dennis Wilberg, Mission Viejo

This Agenda contains a brief general description of each item to be considered. Except as otherwise provided by law, no action or discussion shall be taken on any item not appearing on the following Agenda. Unless legally privileged, all supporting documents, including staff reports, and any writings or documents provided to a majority of the Executive Committee after the posting of this agenda are available for review at the Orange County Fire Authority Regional Fire Operations & Training Center, 1 Fire Authority Road, Irvine, CA 92602 or you may contact the Clerk of the Authority at (714) 573-6040 Monday through Thursday, and every other Friday from 8 a.m. to 5 p.m. and available online at <http://www.ocfa.org>



In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, you should contact the Clerk of the Authority at (714) 573-6040 and identify the need and the requested modification or accommodation. Please notify us as soon as is feasible, however 48 hours prior to the meeting is appreciated to enable the Authority to make reasonable arrangements to assure accessibility to the meeting.

### **NOTICE REGARDING PUBLIC PARTICIPATION** **DURING COVID-19 EMERGENCY**

During the Statewide COVID-19 Emergency, the public is not permitted to convene in person for this public meeting. However, the public may still view and comment on the meeting as follows:

- To watch the meeting online, please go to website at [www.OCFA.org](http://www.OCFA.org)
- To submit an e-comment, please email to [PublicComments@ocfa.org](mailto:PublicComments@ocfa.org)

You may comment on items on the agenda or not on the agenda. Your comments will be forwarded electronically and immediately to the members of the Committee. Comments related to a particular agenda item will only be considered prior to the close of public comments on that item.

**CALL TO ORDER** by Chair Shawver

**INVOCATION** by OCFA Chaplain Fernando Villicana

**PLEDGE OF ALLEGIANCE** by Director Hatch

**ROLL CALL** by Clerk of the Authority

## **REPORTS**

**A. Report from the Budget and Finance Committee Chair**

**B. Report from the Human Resources Committee Chair**

## **PUBLIC COMMENTS**

**Please refer to instructions on how to submit a public comment during COVID-19 Emergency on Page 1 of this Agenda.**

### **1. PRESENTATIONS**

No items.

### **2. CONSENT CALENDAR**

*All matters on the consent calendar are considered routine and are to be approved with one motion unless a Committee Member or a member of the public requests separate action on a specific item.*

**A. Minutes from the April 22, 2021, Regular Executive Committee Meeting**

Submitted by: Maria D. Huizar, Clerk of the Authority

The record will reflect that any Director not in attendance at the meeting of the Minutes will be registered as an abstention, unless otherwise indicated.

Recommended Action:

Approve as submitted.

**B. Monthly Investment Reports**

Submitted by: Tricia Jakubiak, Treasurer

At the May 12, 2021, Budget and Finance Committee meeting, the Committee reviewed the proposed agenda item and directed staff to place on the Executive Committee agenda for approval by 9-0 vote.

Recommended Action:

Receive and file the reports.

**C. Third Quarter Financial Newsletter**

Submitted by: Robert Cortez, Assistant Chief/Business Services Department, Tricia Jakubiak, Treasurer and Stuart Lam, Budget Manager

At the May 12, 2021, Budget and Finance Committee meeting, the Committee reviewed the proposed agenda item and directed staff to place on the Executive Committee agenda for approval by 9-0 vote.

Recommended Action:

Receive and file the report.

**D. Classification and Compensation Recommendations for Fleet Services Occupational Series**

Submitted by: Stephanie Holloman, Assistant Chief/Human Resources Director and Tamaryn Boston, Human Resources Manager

At the May 4, 2021, Human Resources Committee meeting, the Committee reviewed the proposed agenda item and directed staff to place on the Executive Committee agenda for approval by 6-0 vote (Director Hatch absent).

Recommended Actions:

1. Approve the establishment of the Equipment Technician I/II, Heavy Equipment Technician I/II, and Communications Installer I/II flexible classification series, with corresponding salary ranges.
2. Approve the retitling and adoption of the revised classification specification with corresponding salary range for Fire Apparatus Technician to Equipment Technician II, Senior Fire Apparatus Technician to Heavy Equipment Technician II, Fire Apparatus Parts Specialist to Equipment Parts Specialist, and Senior Fire Apparatus Parts Specialist to Senior Equipment Parts Specialist.
3. Approve the reclassification of one (1) Assistant Fire Apparatus Technician to Heavy Equipment Technician I, one (1) Fire Apparatus Parts Specialist to Service Center Technician I, seven (7) Fire Apparatus Parts Specialists to Communications Installer I, one (1) Fire Apparatus Parts Specialist to Supply Services Specialist, and one (1) Communications Installer to Communications Installer II.
4. Approve adoption of the revised classification specifications for Fleet Services Supervisor and Fleet Services Coordinator, with corresponding salary ranges.

**E. Award of RFP JA2487 Purchase of Freightliner Cascadia Box Truck**

Submitted by: Jim Ruane, Assistant Chief/Logistics Department, Vince Carpino, Division Chief/Special Operations Department and Steve Dohman, Battalion Chief/Urban Search & Rescue Program Manager

Recommended Action:

Approve and authorize the Purchasing Manager to execute a Master Agreement with Los Angeles Truck Centers, LLC for the purchase of one Freightliner Cascadia box truck in an amount not to exceed \$262,106.76.

**F. Fourth Amendment to the Advanced Life Support Billing Agreements**

Submitted by: Robert Cortez, Assistant Chief/Business Services Department and Randy Black, Assistant Chief/EMS and Training Department

Recommended Action:

Approve and authorize the Board Chair to sign the fourth amendment to the Advanced Life Support Billing Agreement to extend the Medical Supply Reimbursement analysis term from June 1, 2021 to July 31, 2021.

**3. DISCUSSION CALENDAR**

No items.

**CLOSED SESSION**

No items.

**COMMITTEE MEMBER COMMENTS**

**ADJOURNMENT** –The next regular meeting of the Orange County Fire Authority Executive Committee is scheduled for Thursday, June 24, 2021, at 5:30 p.m.

**AFFIDAVIT OF POSTING**

I hereby certify under penalty of perjury and as required by the State of California, Government Code § 54954.2(a), that the foregoing Agenda was posted in the lobby and front gate public display case of the Orange County Fire Authority, Regional Fire Operations and Training Center, 1 Fire Authority Road, Irvine, CA, not less than 72 hours prior to the meeting.

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Maria D. Huizar, CMC  
Clerk of the Authority

**UPCOMING MEETINGS:**

Budget and Finance Committee  
Executive Committee  
Board of Directors

Wednesday, June 9, 2021, 12 noon  
Thursday, June 24, 2021, 5:30 p.m.  
Thursday, June 24, 2021, 6:00 p.m.



# MINUTES ORANGE COUNTY FIRE AUTHORITY

**Executive Committee Regular Meeting  
Thursday, April 22, 2021  
5:30 P.M.**

**Regional Fire Operations and Training Center  
Board Room  
1 Fire Authority Road  
Irvine, CA 92602**

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## **CALL TO ORDER**

Due to technical difficulties, Chair Shawver called the regular meeting of the Orange County Fire Authority Executive Committee to order at 5:50 p.m. on April 22, 2021.

## **INVOCATION**

The invocation was led by OCFA Chaplain Harry Robinson

## **PLEDGE OF ALLEGIANCE**

Director Ward led the assembly in the Pledge of Allegiance to our Flag.

## **ROLL CALL**

**Present:** Dave Shawver, Stanton, Chair  
Michele Steggell, La Palma, Vice Chair  
Shelley Hasselbrink, Los Alamitos\*  
Gene Hernandez, Yorba Linda\*  
Noel Hatch, Laguna Woods\*  
Joe Muller, Dana Point\*  
John O'Neill, Garden Grove  
Kathy Ward, San Clemente\* (Alternate)

**Absent:** Leticia Clark, Tustin  
Donald P. Wagner, County of Orange  
Dennis Wilberg, Ex Officio

## **Also present were:**

Fire Chief Brian Fennessy  
Deputy Chief Kenny Dossey  
Assistant Chief Randy Black  
Assistant Chief Jim Ruane  
Assistant Chief Phil Johnson  
Clerk of the Authority Maria Huizar

Deputy Chief Lori Zeller  
Assistant Chief Robert Cortez  
Assistant Chief Lori Smith  
General Counsel David Kendig  
Assistant Chief Stephanie Holloman  
Dir. of Communications Colleen Windsor

*\* Committee Members participating via teleconferencing.*

## REPORTS

### **A. Report from the Budget and Finance Committee Chair (FILE 12.02A6)**

Vice Chair Michele Steggell presented the Budget and Finance Committee report stating at the April 14, 2021, regular meeting, the Committee received the OCFA's Pension Liability, Accelerated Pension Paydown Plan and New Contract Cities presentation by Deputy Chief Lori Zeller. The Committee voted unanimously to receive and file the Communication with Auditors for Fiscal Year 2020/21 Financial Audit. Additionally, the Committee reviewed and directed staff to forward the Monthly Investment Reports to the Executive Committee to receive and file the reports.

## PUBLIC COMMENTS

Chair Shawver opened the Public Comments portion of the meeting. Chair Shawver closed the Public Comments portion of the meeting without any comments from the general public.

### **1. PRESENTATIONS**

No items.

### **2. CONSENT CALENDAR**

On motion of Director O'Neill and second by Director Hernandez, and following a roll call vote, Declared Agenda Items 2A-2D passed 8-0 (Directors Clark and Wagner absent).

### **A. Minutes from the March 25, 2021, Regular Executive Committee Meeting (FILE 12.02A2)**

Action: Approve as submitted.

### **B. Monthly Investment Reports (FILE 11.10D2)**

Action: Receive and file the reports.

### **C. Increase to Agreement for Environmental Professional Consulting Services for OCFA Training Grounds Expansion (FILE 19.07B25)**

Action: Approve and authorize the Purchasing Manager to increase the professional services agreement with Dudek for environmental consulting services by \$31,623 for a total not to exceed \$130,946.

**D. Award of Contract for Portable Restroom/Shower Trailers (FILE 19.07B27)**

Action: Approve and authorize the Purchasing Manager to award the contract to Ready2Go Restroom Trailers Sales, LLC. in the amount of \$251,733.20.

**3. DISCUSSION CALENDAR**

No items.

**CLOSED SESSION**

No items.

**COMMITTEE MEMBER COMMENTS**

The Committee Members offered no comments.

**ADJOURNMENT** - Chair Shawver adjourned the meeting at 5:56 p.m. The next regular meeting of the Orange County Fire Authority Executive Committee is scheduled for Thursday, May 27, 2021, at 5:30 p.m.

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Maria D. Huizar, CMC  
Clerk of the Authority



Orange County Fire Authority  
**AGENDA STAFF REPORT**

Executive Committee Meeting  
May 27, 2021

Agenda Item No. 2B  
Consent Calendar

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**Monthly Investment Reports**

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**Contact(s) for Further Information**

Robert Cortez, Assistant Chief,  
Business Services Department

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714.573.6012

Tricia Jakubiak, Treasurer  
Treasury & Financial Planning

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James Slobojan, Assistant Treasurer  
Treasury & Financial Planning

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714.573.6305

**Summary**

This agenda item is a routine transmittal of the monthly investment reports submitted to the Committee in compliance with the investment policy of the Orange County Fire Authority and with Government Code Section 53646.

**Prior Board/Committee Action**

At the May 12, 2021, Budget and Finance Committee meeting, the Committee reviewed the proposed agenda item and directed staff to place on the Executive Committee agenda for approval by 9-0 vote.

**RECOMMENDED ACTION(S)**

Receive and file the reports.

**Impact to Cities/County**

Not Applicable.

**Fiscal Impact**

Not Applicable.

**Background**

Attached is the final monthly investment report for the month ended March 31, 2021. A preliminary investment report as of April 23, 2021, is also provided as the most complete report that was available at the time this agenda item was prepared.

**Attachment(s)**

Final Investment Report – March 2021/Preliminary Report –April 2021

# *Orange County Fire Authority Monthly Investment Report*



*Final Report – March 2021*

*Preliminary Report – April 2021*



## ***Monthly Investment Report Table of Contents***

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# *Orange County Fire Authority*

## *Final Investment Report*

*March 31, 2021*



## **EXECUTIVE SUMMARY**

### ***Portfolio Activity & Earnings***

During the month of March 2021, the size of the portfolio increased by approximately \$6.7 million to \$140.6 million. Significant receipts for the month included cash contract payments totaling \$18.2 million, an apportionment of property taxes, various intergovernmental agency payments and other charges for current services totaling \$24.3 million. Significant disbursements for the month included primarily two biweekly payrolls which were approximately \$14.85 million each with related benefits. Total March cash outflows amounted to approximately \$35.9 million. The portfolio's balance is expected to increase in the following month as secured property tax receipts are scheduled in April.

In March, the portfolio's yield to maturity (365-day equivalent) slightly increased to 0.294%. The effective rate of return decreased by 3 basis points to 0.23% for the month, and the average maturity of the portfolio increased by 9 days to 28 days to maturity.

### ***Economic News***

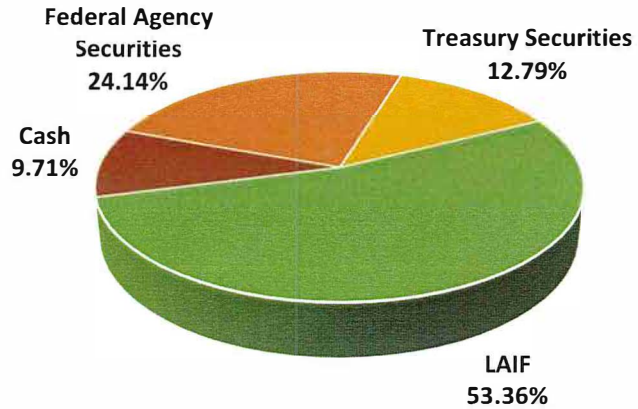
In March 2021, the U.S. unemployment rate dropped to 6% from February's 6.2%. Job growth increased at the fastest pace since last summer as the vaccination effort combined with stronger economic growth contributed to a surge in employment gains that were especially strong in areas hit hard by the pandemic, such as hospitality and construction jobs. Retail sales surged 9.8% in March as the recent stimulus funds flowed into the economy. The easing of certain Covid-19 restrictions allowed bars and restaurants to expand service offerings and see an increase of 13.4%. Consumer confidence soared from an index of 90.4 in February to an index of 109.7 in March, its highest level since the coronavirus pandemic impacted the economy a year ago. Manufacturing activity surged to its highest level since late 1983 driven by strong growth in new orders. The non-manufacturing/service sector also rose in March to a level of 63.7 and where levels above 50 signal expansion. Consumer prices climbed by 0.6% in March as the cost of gasoline continued to lead the way, jumping by 9.1%. The producer price index increased by 1% in March. The Federal Reserve Chairman Jerome Powell has reiterated the Fed's position that it will not raise interest rates this year and that, "the Fed will do everything we can to support the economy for as long as it takes to complete the recovery."



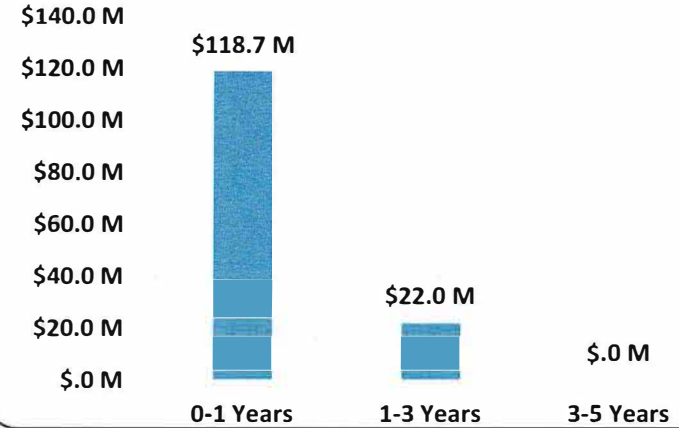


**PORTFOLIO HAS AMPLE LIQUIDITY AND IS EXCEEDING TREASURY BENCHMARKS AS OF MARCH 31, 2021**

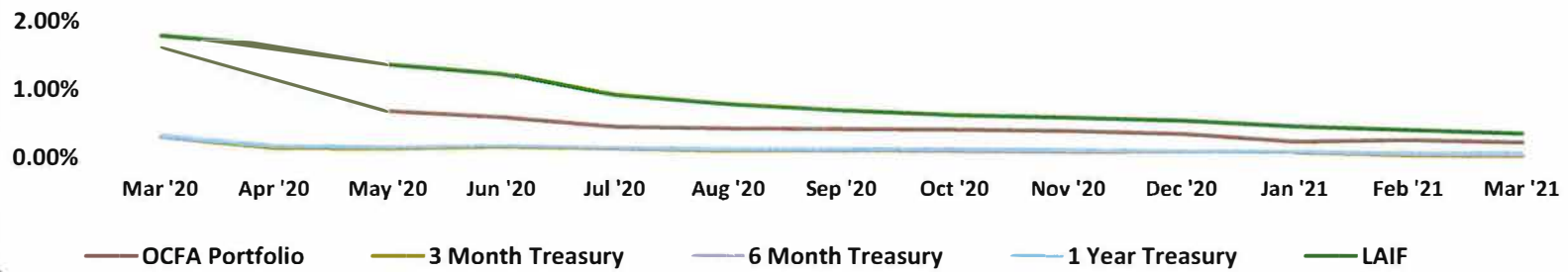
**Market Value \$140,742,066**



**Aging Summary**



**12 Month Benchmarks**



**BENCHMARK COMPARISON AS OF MARCH 31, 2021**

3 Month T-Bill: 0.03%

1 Year T-Bill: 0.08%

6 Month T-Bill: 0.05%

LAIF: 0.357%

OCFA Portfolio: 0.23%

**PORTFOLIO SIZE, YIELD, & DURATION**

	<u>Current Month</u>	<u>Prior Month</u>	<u>Prior Year</u>
<i>Book Value</i>	\$141,030,715	\$134,346,510	\$152,023,274
<i>Yield to Maturity (365 day)</i>	0.29%	0.28%	1.43%
<i>Effective Rate of Return</i>	0.23%	0.26%	1.61%
<i>Days to Maturity</i>	28	19	16



**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Summary**  
**March 31, 2021**

Orange County Fire Authority  
1 Fire Authority Road  
Irvine, CA 92602  
(714)573-6301

See Note 1 on page 10

See Note 2 on page 10

<b>Investments</b>	<b>Par Value</b>	<b>Market Value</b>	<b>Book Value</b>	<b>% of Portfolio</b>	<b>Term</b>	<b>Days to Call/ Maturity</b>	<b>YTM/Call 360 Equiv.</b>	<b>YTM/Call 365 Equiv.</b>
Federal Agency Coupon Securities	22,000,000.00	21,978,580.00	22,000,000.00	17.32	1,104	118	0.414	0.420
Federal Agency Disc. -Amortizing	12,000,000.00	11,999,520.00	11,999,171.66	9.45	91	71	0.035	0.036
Treasury Discounts -Amortizing	18,000,000.00	17,999,940.00	17,999,953.33	14.17	67	5	0.047	0.048
Local Agency Investment Funds	75,000,000.00	75,095,238.97	75,000,000.00	59.06	1	1	0.352	0.357
	<b>127,000,000.00</b>	<b>127,073,278.97</b>	<b>126,999,124.99</b>	<b>100.00%</b>	<b>210</b>	<b>28</b>	<b>0.290</b>	<b>0.294</b>
<b>Investments</b>								
<b>Cash</b>								
Passbook/Checking (not included in yield calculations)	13,668,786.76	13,668,786.76	13,668,786.76		1	1	0.000	0.000
<b>Total Cash and Investments</b>	<b>140,668,786.76</b>	<b>140,742,065.73</b>	<b>140,667,911.75</b>		<b>210</b>	<b>28</b>	<b>0.290</b>	<b>0.294</b>

<b>Total Earnings</b>	<b>March 31</b>	<b>Month Ending</b>	<b>Fiscal Year To Date</b>
Current Year		26,350.97	402,229.62
<b>Average Daily Balance</b>		<b>134,100,739.54</b>	<b>146,132,815.71</b>
<b>Effective Rate of Return</b>		<b>0.23%</b>	<b>0.37%</b>

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2021. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months."

Patricia Jakubiak, Treasurer

**Cash and Investments with GASB 31 Adjustment:**

Book Value of Cash & Investments before GASB 31 (Above)	\$ 140,667,911.75
GASB 31 Adjustment to Books (See Note 3 on page 10)	\$ 362,803.09
Total	\$ 141,030,714.84

**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**March 31, 2021**

See Note 1 on page 10

See Note 2 on page 10

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/Call 365	Days to Call/ Maturity	Maturity Date
<b>Money Mkt Mutual Funds/Cash</b>											
SYS528	528	Federated Treasury Obligations		07/01/2020	0.00	0.00	0.00	0.010	0.010	1	
<b>Subtotal and Average</b>			<b>12,746,971.15</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		<b>0.000</b>	<b>0</b>	
<b>Federal Agency Coupon Securities</b>											
3133EMLE0	1020	Federal Farm Credit Bank (Callable 6/22/2021)		12/23/2020	14,000,000.00	13,986,420.00	14,000,000.00	0.190	0.190	82	09/22/2023
3130ALNY6	1025	Fed Home Loan Bank (Callable 9/30/2021)		03/30/2021	8,000,000.00	7,992,160.00	8,000,000.00	0.550	0.822	182	09/30/2024
<b>Subtotal and Average</b>			<b>14,516,129.03</b>		<b>22,000,000.00</b>	<b>21,978,580.00</b>	<b>22,000,000.00</b>		<b>0.420</b>	<b>118</b>	
<b>Federal Agency Disc. -Amortizing</b>											
313385GT7	1024	Fed Home Loan Bank		03/12/2021	12,000,000.00	11,999,520.00	11,999,171.66	0.035	0.036	71	06/11/2021
<b>Subtotal and Average</b>			<b>7,741,329.57</b>		<b>12,000,000.00</b>	<b>11,999,520.00</b>	<b>11,999,171.66</b>		<b>0.036</b>	<b>71</b>	
<b>Treasury Discounts -Amortizing</b>											
9127964P1	1022	US Treasury Bill		01/14/2021	12,000,000.00	12,000,000.00	12,000,000.00	0.060	0.062	0	04/01/2021
9127964Y2	1023	US Treasury Bill		02/26/2021	6,000,000.00	5,999,940.00	5,999,953.33	0.020	0.021	14	04/15/2021
<b>Subtotal and Average</b>			<b>24,096,309.78</b>		<b>18,000,000.00</b>	<b>17,999,940.00</b>	<b>17,999,953.33</b>		<b>0.048</b>	<b>5</b>	
<b>Local Agency Investment Funds</b>											
SYS336	336	Local Agency Invstmt Fund			75,000,000.00	75,095,238.97	75,000,000.00	0.357	0.357	1	
<b>Subtotal and Average</b>			<b>75,000,000.00</b>		<b>75,000,000.00</b>	<b>75,095,238.97</b>	<b>75,000,000.00</b>		<b>0.357</b>	<b>1</b>	
<b>Total and Average</b>			<b>134,100,739.54</b>		<b>127,000,000.00</b>	<b>127,073,278.97</b>	<b>126,999,124.99</b>		<b>0.294</b>	<b>28</b>	

**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Cash**  
**March 31, 2021**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
<b>Money Mkt Mutual Funds/Cash</b>										
SYS10033	10033	Revolving Fund		07/01/2020	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2020	13,648,786.76	13,648,786.76	13,648,786.76		0.000	1
		<b>Average Balance</b>	<b>0.00</b>							<b>1</b>
<b>Total Cash and Investments</b>			<b>134,100,739.54</b>		<b>140,668,786.76</b>	<b>140,742,065.73</b>	<b>140,667,911.75</b>		<b>0.294</b>	<b>28</b>

Orange County Fire Authority

In Service of Others!



**ORANGE COUNTY FIRE AUTHORITY**  
**Aging Report**  
**By Maturity Date**  
**As of April 1, 2021**

Orange County Fire Authority  
 1 Fire Authority Road  
 Irvine, CA 92602  
 (714)573-6301

					Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval:	0 days	( 04/01/2021 - 04/01/2021 )	5 Maturities	0 Payments	100,668,786.76	71.56%	100,668,786.76	100,764,025.73
Aging Interval:	1 - 30 days	( 04/02/2021 - 05/01/2021 )	1 Maturities	0 Payments	6,000,000.00	4.27%	5,999,953.33	5,999,940.00
Aging Interval:	31 - 60 days	( 05/02/2021 - 05/31/2021 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	61 - 90 days	( 06/01/2021 - 06/30/2021 )	1 Maturities	0 Payments	12,000,000.00	8.53%	11,999,171.66	11,999,520.00
Aging Interval:	91 - 120 days	( 07/01/2021 - 07/30/2021 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	121 - 365 days	( 07/31/2021 - 04/01/2022 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval:	366 - 1095 days	( 04/02/2022 - 03/31/2024 )	1 Maturities	0 Payments	14,000,000.00	9.95%	14,000,000.00	13,986,420.00
Aging Interval:	1096 days and after	( 04/01/2024 - )	1 Maturities	0 Payments	8,000,000.00	5.69%	8,000,000.00	7,992,160.00
Total for			9 Investments	0 Payments		100.00	140,667,911.75	140,742,065.73



**NOTES TO PORTFOLIO MANAGEMENT REPORT**

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank (formerly Union Bank) Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year-end. The adjustment for June 30, 2020 includes an increase of \$368,460 to the LAIF investment and a decrease of (\$5,657) to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks yet allow that liquidity to be invested while payment of the outstanding checks is pending.





## ***Local Agency Investment Fund (LAIF)***

As of March 31, 2021, OCFA has \$75,000,000 invested in LAIF. The fair value of OCFA's LAIF investment is calculated using a participant fair value factor provided by LAIF on a quarterly basis. The fair value factor as of March 31, 2021 is 1.001269853. When applied to OCFA's LAIF investment, the fair value is \$75,095,239 or \$95,239 above cost. Although the fair value of the LAIF investment is higher than cost, OCFA can withdraw the actual amount invested at any time.

LAIF is included in the State Treasurer's Pooled Money Investment Account (PMIA) for investment purposes. The PMIA market valuation at March 31, 2021 is included on the following page.



# State of California

## Pooled Money Investment Account

### Market Valuation

### 3/31/2021

Description	Carrying Cost Plus		Fair Value	Accrued Interest
	Accrued Interest	Purch. Amortized Cost		
United States Treasury:				
Bills	\$ 42,371,427,061.33	\$ 42,386,167,504.27	\$ 42,394,001,500.00	NA
Notes	\$ 34,202,768,902.61	\$ 34,199,307,567.32	\$ 34,350,877,500.00	\$ 77,660,969.50
Federal Agency:				
SBA	\$ 430,882,898.56	\$ 430,882,898.56	\$ 426,901,230.13	\$ 183,183.66
MBS-REMICs	\$ 10,914,640.74	\$ 10,914,640.74	\$ 11,455,602.70	\$ 50,572.13
Debentures	\$ 4,617,914,812.55	\$ 4,616,241,436.15	\$ 4,623,536,650.00	\$ 6,528,067.50
Debentures FR	\$ -	\$ -	\$ -	\$ -
Debentures CL	\$ 500,000,000.00	\$ 500,000,000.00	\$ 498,031,000.00	\$ 360,389.00
Discount Notes	\$ 13,676,588,570.50	\$ 13,680,511,421.91	\$ 13,681,807,880.00	NA
Supranational Debentures	\$ 946,090,189.30	\$ 945,751,647.64	\$ 944,944,800.00	\$ 2,605,773.50
Supranational Debentures FR	\$ 200,054,814.69	\$ 200,054,814.69	\$ 200,100,339.85	\$ 73,545.08
CDs and YCDs FR	\$ 400,000,000.00	\$ 400,000,000.00	\$ 400,014,000.00	\$ 52,862.59
Bank Notes	\$ -	\$ -	\$ -	\$ -
CDs and YCDs	\$ 14,700,000,000.00	\$ 14,700,000,000.00	\$ 14,699,439,806.13	\$ 8,104,736.15
Commercial Paper	\$ 9,742,973,999.96	\$ 9,745,946,875.03	\$ 9,745,873,276.40	NA
Corporate:				
Bonds FR	\$ -	\$ -	\$ -	\$ -
Bonds	\$ 14,967,211.12	\$ 14,967,211.12	\$ 14,708,550.00	\$ 15,458.40
Repurchase Agreements	\$ -	\$ -	\$ -	\$ -
Reverse Repurchase	\$ -	\$ -	\$ -	\$ -
Time Deposits	\$ 4,219,500,000.00	\$ 4,219,500,000.00	\$ 4,219,500,000.00	NA
PMIA & GF Loans	\$ 693,695,000.00	\$ 693,695,000.00	\$ 693,695,000.00	NA
<b>TOTAL</b>	<b>\$ 126,727,778,101.36</b>	<b>\$ 126,743,941,017.43</b>	<b>\$ 126,904,887,135.21</b>	<b>\$ 95,635,557.51</b>

Fair Value Including Accrued Interest \$ 127,000,522,692.72

Repurchase Agreements, Time Deposits, AB 55 & General Fund loans, and Reverse Repurchase agreements are carried at portfolio book value (carrying cost).

The value of each participating dollar equals the fair value divided by the amortized cost (1.001269853).  
 As an example: if an agency has an account balance of \$20,000,000.00, then the agency would report its participation in the LAIF valued at \$20,025,397.05 or \$20,000,000.00 x 1.001269853.



*Orange County Fire Authority*

*Preliminary Investment Report*

*April 23, 2021*



# **ORANGE COUNTY FIRE AUTHORITY** **Portfolio Management** **Portfolio Summary** **April 23, 2021**

Orange County Fire Authority  
 1 Fire Authority Road  
 Irvine, CA 92602  
 (714)573-6301

See Note 1 on page 19

See Note 2 on page 19

<b>Investments</b>	<b>Par Value</b>	<b>Market Value</b>	<b>Book Value</b>	<b>% of Portfolio</b>	<b>Term</b>	<b>Days to Maturity</b>	<b>YTM/C 360 Equiv.</b>	<b>YTM/C 365 Equiv.</b>
Federal Agency Coupon Securities	45,450,000.00	45,416,308.45	45,450,000.00	34.32	1,165	107	0.448	0.454
Federal Agency Disc. -Amortizing	12,000,000.00	11,999,880.00	11,999,440.00	9.06	91	48	0.035	0.036
Local Agency Investment Funds	75,000,000.00	75,095,238.97	75,000,000.00	56.63	1	1	0.352	0.357
	<b>132,450,000.00</b>	<b>132,511,427.42</b>	<b>132,449,440.00</b>	<b>100.00%</b>	<b>409</b>	<b>42</b>	<b>0.356</b>	<b>0.361</b>
<b>Investments</b>								
<b>Cash and Accrued Interest</b>								
Passbook/Checking	64,615,438.38	64,615,438.38	64,615,438.38		1	1	0.000	0.000
(not included in yield calculations)								
Accrued Interest at Purchase		1,435.11	1,435.11					
<b>Subtotal</b>		<b>64,616,873.49</b>	<b>64,616,873.49</b>					
<b>Total Cash and Investments</b>	<b>197,065,438.38</b>	<b>197,128,300.91</b>	<b>197,066,313.49</b>		<b>409</b>	<b>42</b>	<b>0.356</b>	<b>0.361</b>

See Note 5 on page 19

<b>Total Earnings</b>	<b>April 23 Month Ending</b>	<b>Fiscal Year To Date</b>
Current Year	22,171.48	431,026.94
<b>Average Daily Balance</b>	<b>129,058,119.79</b>	<b>144,810,532.86</b>
<b>Effective Rate of Return</b>	<b>0.27%</b>	<b>0.37%</b>

"I certify that this investment report accurately reflects all pooled investments and is in compliance with the investment policy adopted by the Board of Directors to be effective on January 1, 2021. A copy of this policy is available from the Clerk of the Authority. Sufficient investment liquidity and anticipated revenues are available to meet budgeted expenditure requirements for the next thirty days and the next six months.

Patricia Jakubak, Treasurer

4/30/21

**Cash and Investments with GASB 31 Adjustment:**

Book Value of Cash & Investments before GASB 31 (Above)	\$ 197,066,313.49
GASB 31 Adjustment to Books (See Note 3 on page 19)	\$ 362,803.09
<b>Total</b>	<b>\$ 197,429,116.58</b>

**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Investments**  
**April 23, 2021**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	See Note 1 on page 19	See Note 2 on page 19	Stated Rate	YTM/Call	Days to	Maturity Date
						Market Value	Book Value		365	Call/ Maturity	
Money Mkt Mutual Funds/Cash											
SYS528	528	Federated Treasury Obligations		07/01/2020	0.00	0.00	0.00	0.010	0.010	1	
Subtotal and Average			14,846,430.01		0.00	0.00	0.00		0.000	0	
Federal Agency Coupon Securities											
3133EMLE0	1020	Federal Farm Credit Bank (Callable 6/22/2021)		12/23/2020	14,000,000.00	13,987,680.00	14,000,000.00	0.190	0.190	59	09/22/2023
3133EMWH1	1030	Federal Farm Credit Bank (Callable 4/21/2022)		04/22/2021	3,000,000.00	2,997,600.00	3,000,000.00	0.710	0.710	362	04/21/2025
3130ALNY6	1025	Fed Home Loan Bank (Callable 9/30/2021)		03/30/2021	8,000,000.00	8,000,000.00	8,000,000.00	0.550	0.822	159	09/30/2024
3130ALTJ3	1029	Fed Home Loan Bank (Callable 7/08/2021)		04/22/2021	9,435,000.00	9,426,602.85	9,435,000.00	0.375	0.375	75	04/08/2024
3130ALVR2	1031	Fed Home Loan Bank (Callable 7/23/2021)		04/23/2021	11,015,000.00	11,004,425.60	11,015,000.00	0.520	0.520	90	10/23/2024
Subtotal and Average			23,560,217.39		45,450,000.00	45,416,308.45	45,450,000.00		0.454	107	
Federal Agency Disc. -Amortizing											
313385GT7	1024	Fed Home Loan Bank		03/12/2021	12,000,000.00	11,999,880.00	11,999,440.00	0.035	0.036	48	06/11/2021
Subtotal and Average			11,999,311.66		12,000,000.00	11,999,880.00	11,999,440.00		0.036	48	
Treasury Discounts -Amortizing											
Subtotal and Average			3,652,160.72								
Local Agency Investment Funds											
SYS336	336	Local Agency Invstmt Fund			75,000,000.00	75,095,238.97	75,000,000.00	0.357	0.357	1	
Subtotal and Average			75,000,000.00		75,000,000.00	75,095,238.97	75,000,000.00		0.357	1	
Total and Average			129,058,119.79		132,450,000.00	132,511,427.42	132,449,440.00		0.361	42	

**ORANGE COUNTY FIRE AUTHORITY**  
**Portfolio Management**  
**Portfolio Details - Cash**  
**April 23, 2021**

CUSIP	Investment #	Issuer	Average Balance	Purchase Date	Par Value	Market Value	Book Value	Stated Rate	YTM/C 365	Days to Maturity
<b>Money Mkt Mutual Funds/Cash</b> See Note 5 on page 19										
SYS10033	10033	Revolving Fund		07/01/2020	20,000.00	20,000.00	20,000.00		0.000	1
SYS4	4	Union Bank		07/01/2020	64,595,438.38	64,595,438.38	64,595,438.38		0.000	1
<b>Average Balance</b>			<b>0.00</b>	Accrued Interest at Purchase		1,435.11	1,435.11			<b>1</b>
				Subtotal		64,616,873.49	64,616,873.49			
<b>Total Cash and Investments</b>			<b>129,058,119.79</b>		<b>197,065,438.38</b>	<b>197,128,300.91</b>	<b>197,066,313.49</b>		<b>0.361</b>	<b>42</b>

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**ORANGE COUNTY FIRE AUTHORITY**  
**Aging Report**  
**By Maturity Date**  
**As of April 26, 2021**

Orange County Fire Authority  
 1 Fire Authority Road  
 Irvine, CA 92602  
 (714)573-6301

				Maturity Par Value	Percent of Portfolio	Current Book Value	Current Market Value
Aging Interval: 0 days	( 04/26/2021 - 04/26/2021 )	4 Maturities	0 Payments	140,008,531.88	70.91%	140,008,531.88	140,103,770.85
Aging Interval: 1 - 30 days	( 04/27/2021 - 05/26/2021 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 31 - 60 days	( 05/27/2021 - 06/25/2021 )	1 Maturities	0 Payments	12,000,000.00	6.08%	11,999,463.33	11,999,880.00
Aging Interval: 61 - 90 days	( 06/26/2021 - 07/25/2021 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 91 - 120 days	( 07/26/2021 - 08/24/2021 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 121 - 365 days	( 08/25/2021 - 04/26/2022 )	0 Maturities	0 Payments	0.00	0.00%	0.00	0.00
Aging Interval: 366 - 1095 days	( 04/27/2022 - 04/25/2024 )	2 Maturities	0 Payments	23,435,000.00	11.87%	23,435,000.00	23,414,282.85
Aging Interval: 1096 days and after	( 04/26/2024 - )	3 Maturities	0 Payments	22,015,000.00	11.15%	22,015,000.00	22,002,025.60
Total for		10 Investments	0 Payments		100.00	197,457,995.21	197,519,959.30





**NOTES TO PORTFOLIO MANAGEMENT REPORT**

- Note 1: Market value of the LAIF investment is calculated using a fair value factor provided by LAIF. The MUFG Union Bank Trust Department provides market values of the remaining investments.
- Note 2: Book value reflects the cost or amortized cost before the GASB 31 accounting adjustment.
- Note 3: GASB 31 requires governmental entities to report investments at fair value in the financial statements and to reflect the corresponding unrealized gains/ (losses) as a component of investment income. The GASB 31 adjustment is recorded only at fiscal year-end. The adjustment for June 30, 2020 includes an increase of \$368,460 to the LAIF investment and a decrease of (\$5,657) to the remaining investments.
- Note 4: The Federated Treasury Obligations money market mutual fund functions as the Authority's sweep account. Funds are transferred to and from the sweep account to/from OCFA's checking account in order to maintain a target balance of \$1,000,000 in checking. Since this transfer occurs at the beginning of each banking day, the checking account sometimes reflects a negative balance at the close of the banking day. The negative closing balance is not considered an overdraft since funds are available in the money market mutual fund. The purpose of the sweep arrangement is to provide sufficient liquidity to cover outstanding checks yet allow that liquidity to be invested while payment of the outstanding checks is pending.
- Note 5: As of April 23, 2021, the portfolio cash position is high due to \$36 million in pending investments.

## GLOSSARY

### INVESTMENT TERMS

**Basis Point.** Measure used in quoting yields on bonds and notes. One basis point is .01% of yield.

**Book Value.** This value may be the original cost of acquisition of the security, or original cost adjusted by the amortization of a premium or accretion of a discount. The book value may differ significantly from the security's current value in the market.

**Commercial Paper.** Unsecured short-term promissory notes issued by corporations, with maturities ranging from 2 to 270 days; may be sold on a discount basis or may bear interest.

**Coupon Rate.** Interest rate, expressed as a percentage of par or face value, that issuer promises to pay over lifetime of debt security.

**Discount.** The amount by which a bond sells under its par (face) value.

**Discount Securities.** Securities that do not pay periodic interest. Investors earn the difference between the discount issue price and the full face value paid at maturity. Treasury bills, bankers' acceptances and most commercial paper are issued at a discount.

**Effective Rate of Return.** Rate of return on a security, based on its purchase price, coupon rate, maturity date, and the period between interest payments.

**Federal Agency Securities.** Securities issued by agencies such as the Federal National Mortgage Association and the Federal Farm Credit Bank. Though not general obligations of the US Treasury, such securities are sponsored by the government and therefore have high credit ratings. Some are issued on a discount basis and some are issued with coupons.

**Federal Funds.** Funds placed in Federal Reserve banks by depository institutions in excess of current reserve requirements. These depository institutions may lend fed funds to each other overnight or on a longer basis. They may also transfer funds among each other on a same-day basis through the Federal Reserve banking system. Fed Funds are considered to be immediately available funds.

**Fed Funds Rate.** The interest rate charged by one institution lending federal funds to another.

**Federal Open Market Committee.** The branch of the Federal Reserve Board that determines the direction of monetary policy.

**Local Agency Investment Fund (LAIF).** A California State Treasury fund which local agencies may use to deposit funds for investment and for reinvestment with a maximum of \$75 million for any agency (*excluding bond funds, which have no maximum*). It offers high liquidity because

deposits can be converted to cash in 24 hours and no interest is lost. Interest is paid quarterly and the State's administrative fee cannot to exceed 1/4 of a percent of the earnings.

**Market value.** The price at which the security is trading and could presumably be purchased or sold.

**Maturity Date.** The specified day on which the issuer of a debt security is obligated to repay the principal amount or face value of security.

**Money Market Mutual Fund.** Mutual funds that invest solely in money market instruments (short-term debt instruments, such as Treasury bills, commercial paper, bankers' acceptances, repurchase agreements and federal funds).

**Par.** Face value or principal value of a bond typically \$1,000 per bond.

**Rate of Return.** The amount of income received from an investment, expressed as a percentage. A *market rate of return* is the yield that an investor can expect to receive in the current interest-rate environment utilizing a buy-and-hold to maturity investment strategy.

**Treasury Bills.** Short-term U.S. government non-interest bearing debt securities with maturities of no longer than one year. The yields on these bills are monitored closely in the money markets for signs of interest rate trends.

**Treasury Notes.** Intermediate U.S. government debt securities with maturities of one to 10 years.

**Treasury bonds.** Long-term U.S. government debt securities with maturities of 10 years or longer.

**Yield.** Rate of return on a bond.

**Yield-to-maturity.** Rate of return on a bond taking into account the total annual interest payments, the purchase price, the redemption value and the amount of time remaining until maturity.

### ECONOMIC TERMS

**Conference Board Consumer Confidence Index.** A survey that measures how optimistic or pessimistic consumers are with respect to the economy in the near future.

**Consumer Price Index (CPI).** A measure that examines the weighted average of prices of a basket of consumer goods and services, such as transportation, food and medical care. Changes in CPI are used to assess price changes associated with the cost of living.

**Durable Goods Orders.** An economic indicator released monthly that reflects new orders placed with domestic manufacturers for delivery of factory durable goods such as autos and appliances in the near term or future.

**Gross Domestic Product.** The monetary value of all the finished goods and services produced within a country's borders in a specific time period. It includes all of private and public consumption, government outlays, investments and exports less imports that occur within a defined territory.

**Industrial Production.** An economic indicator that is released monthly by the Federal Reserve Board. The indicator measures the amount of output from the manufacturing, mining, electric and gas industries.

**ISM Institute for Supply Management (ISM) Manufacturing Index.** A monthly index that monitors employment, production inventories, new orders and supplier deliveries.

**ISM Non-manufacturing Index.** An index based on surveys of non-manufacturing firms' purchasing and supply executives. It tracks economic data for the service sector.

**Leading Economic Index.** A monthly index used to predict the direction of the economy's movements in the months to come. The index is made up of 10 economic components, whose changes tend to precede changes in the overall economy.

**National Federation of Independent Business Small Business Optimism Index.** An index based on surveys of small business owners' plans and expectations regarding employment, capital, inventories, economic improvement, credit conditions, expansion, and earnings trends in the near term or future.

**Producer Price Index.** An index that measures the average change over time in the selling prices received by domestic producers for their output.

**University of Michigan Consumer Sentiment Index.** An index that measures the overall health of the economy as determined by consumer opinion. It takes into account an individual's feelings toward his or her own current financial health, the health of the economy in the short term and the prospects for longer term economic growth.



Orange County Fire Authority  
**AGENDA STAFF REPORT**

Executive Committee Meeting  
May 27, 2021

Agenda Item No. 2C  
Consent Calendar

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**Third Quarter Financial Newsletter**

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**Contact(s) for Further Information**

Robert Cortez, Assistant Chief Business Services Department	<a href="mailto:robertcortez@ocfa.org">robertcortez@ocfa.org</a>	714.573.6012
Tricia Jakubiak, Treasurer	<a href="mailto:triciajakubiak@ocfa.org">triciajakubiak@ocfa.org</a>	714.573.6301
Stuart Lam, Budget Manager	<a href="mailto:stuartlam@ocfa.org">stuartlam@ocfa.org</a>	714.573.6302

**Summary**

This routine agenda item is submitted to provide information regarding revenues and expenditures in the General Fund and the Capital Improvement Program Funds through the third quarter of FY 2020/21.

**Prior Board/Committee Action**

At the May 12, 2021, Budget and Finance Committee meeting, the Committee reviewed the proposed agenda item and directed staff to place on the Executive Committee agenda for approval by 9-0 vote.

**RECOMMENDED ACTION(S)**

Receive and file the report.

**Impact to Cities/County**

Not Applicable.

**Fiscal Impact**

Not Applicable.

**Background**

The Quarterly Financial Newsletter provides information about the General Fund's top five revenue sources as well as expenditures by department and by type. Revenues and expenditures for the Capital Improvement Program (CIP) funds are also included. Revenues and expenditures for the General and CIP Funds through the third quarter of the fiscal year are within budgetary estimates, except where noted in the attached newsletter.

**Attachment(s)**

Third Quarter Financial Newsletter – July 2020 to March 2021

# 3rd Quarter July 2020 to March 2021

# Financial Newsletter

## Summary

The Quarterly Financial Newsletter provides summary level information regarding the General Fund (GF) operating budget and Capital Improvement Program (CIP) budget to highlight revenue and expenditure trends and areas of note.

With the 3rd Quarter (i.e. 75%) of the fiscal year completed, General Fund actual revenues are in line with budget estimates and expenditures are trending higher than anticipated due to overtime for significant fire incidents and COVID-19 vaccine distribution. Thus far, OCFA received 68.0% of budgeted revenues and expended 71.3% of appropriations.

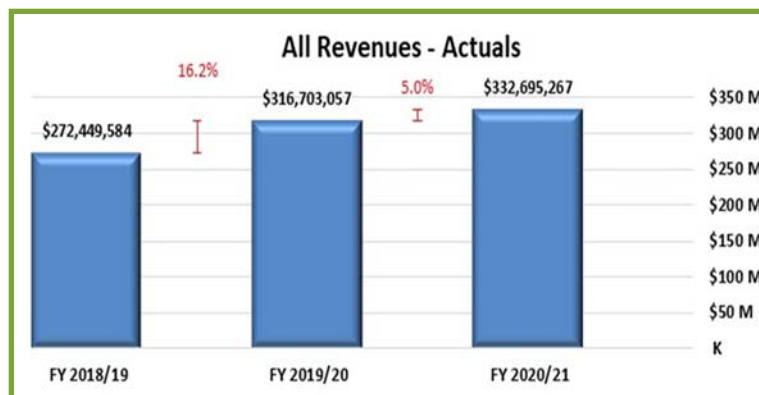
The OCFA expended 35.5% of the GF CIP, 10.6% of Fire Stations & Facilities, 16.5% of Comm. & Info. Systems, and 17.2% of the Fire Apparatus budgets.

For additional info, see attached newsletter.



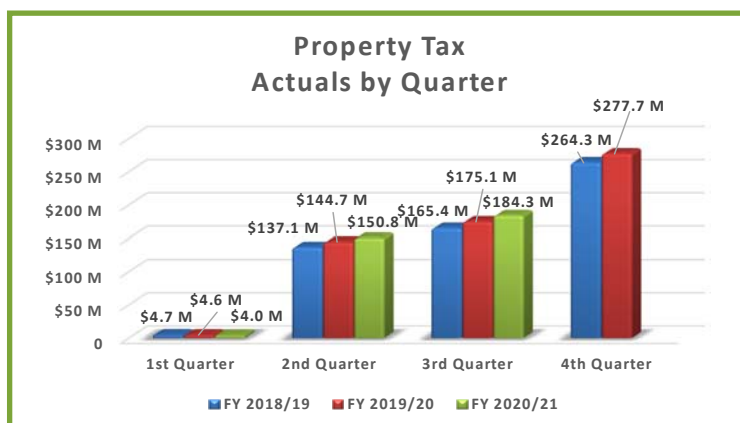
## General Fund

**REVENUES** - General Fund revenues received as of the 3rd quarter amounted to \$332.7 million, approximately 5.0% higher than the prior year. The increase is primarily due to higher assistance by hire reimbursement revenue stemming from a higher number of significant emergency incidents this year as well as higher secured property tax revenue. Now that the



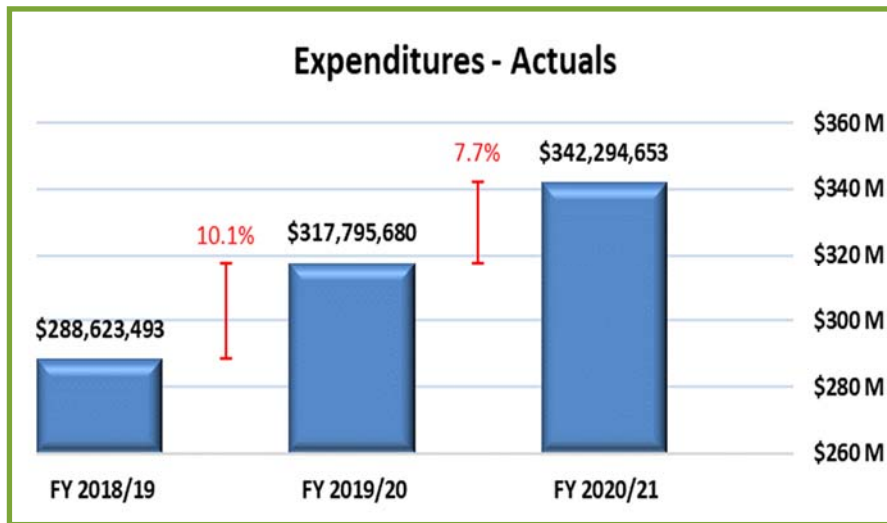
mid-year adjustments approved by the Board in March have been incorporated into the budget, the top five revenues are trending as expected. For the 3rd quarter of

fiscal year 2020/21, property taxes are \$9.2 million higher when compared to the prior year. Secured property tax represents over 95% of overall property tax revenue and based on data from the Auditor-Controller, OCFA projects secured property taxes will be \$2.4 million higher than originally budgeted.





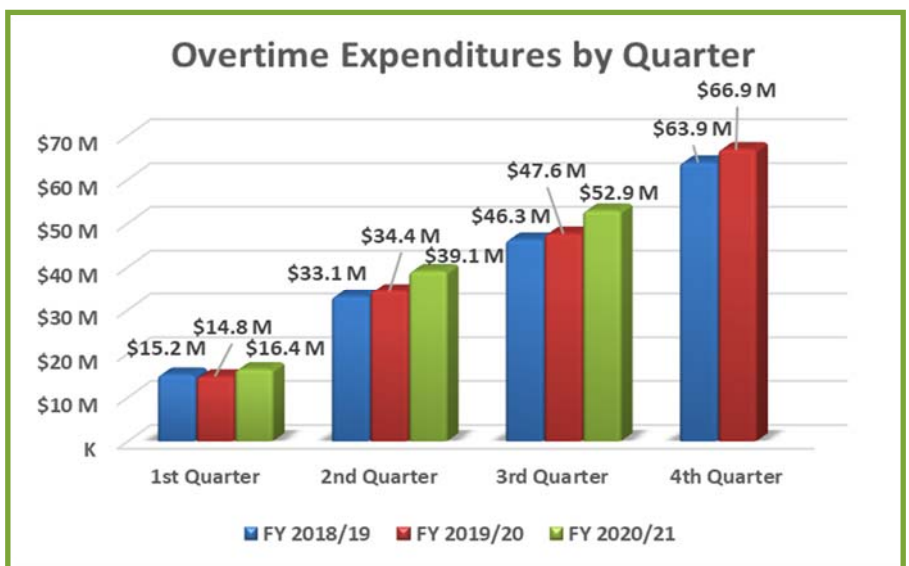
**EXPENDITURES** — General Fund expenditures through the 3rd quarter amounted to \$342.3 million and



reflect an increase of 7.7% when compared to the prior fiscal year. Budget estimates projected 3rd quarter expenditures ending at \$340.1 million. Higher than anticipated backfill/overtime expenditures were the main driver due to OCFA's response to significant fire incidents and the COVID-19 vaccine distribution efforts. Services, supplies, and equipment expenditures were in line with budgetary estimates.

The following Overtime Expenditures by Quarter chart captures historical cumulative overtime expenditures

from fiscal year 2018/19 through the 3rd quarter of fiscal year 2020/21. Actual overtime expenditures are trending higher than last year. Overtime expenses increased this year over last due to emergency incidents and COVID-19 vaccine distribution. Major incidents include the Apple, August Complex, Blue Ridge, Bond, Castle, Deer, Lake, LNU Lightning Complex, SCU Lightning Complex, and Silverado Canyon fires. These emergency incident overtime expenditures are reimbursable.



Open Position overtime, used to fill vacancies in the firefighter ranks, is also contributing to the high backfill/overtime expenditures. This category of overtime which is typically offset by vacancy savings will continue to be monitored.

*We hope you have found this summary information illustrative and useful. Additional detailed information is included in following Newsletter pages, including progress for each of the CIP funds.*



# Orange County Fire Authority

## Third Quarter Financial Newsletter – July 2020 to March 2021

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### **OVERVIEW**

This report covers fiscal activities in the General Fund and CIP Funds through the third quarter of Fiscal Year 2020/21. Budget figures include all budget adjustments authorized by the Board through the third quarter.

### **GENERAL FUND**

With 75% of the year completed, General Fund revenues are 68.0% of budget and expenditures are 71.3% as shown below:

General Fund (excludes 12110)	YTD Actual	Budget	Variance in Dollars	% Variance
Revenues	332,695,267	489,544,349	156,849,082	68.0%
Expenditures	342,294,653	479,936,856	137,642,203	71.3%

**Top Five Revenues.** The analysis presented below compares the five largest revenue categories received through the third quarter, as compared to the budgetary estimate for this point in the fiscal year. Categories in which the variance exceeds by 10% or \$1 million, are discussed below the table.

Top Five Revenues	YTD Actual Receipts	Trended YTD Budget Estimate	Variance: Actual to Budget Est. in Dollars	% Variance
Property Taxes	184,330,237	183,430,199	900,038	0%
Cash Contracts	105,744,688	105,851,227	(106,539)	0%
State Reimbursements	29,073,837	29,000,000	73,837	0%
CRA Pass-through	8,209,483	8,209,483	-	0%
Community Risk Reduction Fees	2,745,066	2,610,191	134,875	5%
<b>Total</b>	<b>330,103,311</b>	<b>329,101,100</b>	<b>1,002,211</b>	<b>0%</b>

- With the Mid-Year Budget Adjustments approved by the Board in March, actual receipts for the largest five revenue categories are in line with trended budget estimates for the third quarter.



**Expenditures.** The analysis presented below compares the actual expenditures through the third quarter, as compared to the budgetary estimate for this point in the fiscal year. Categories in which the variance exceeds by 10% or \$1 million, are discussed below the table.

Expenditures by Department	YTD Actual Expenditures	Trended YTD Budget Estimate	Variance: Actual to Budget in Dollars	% Variance
Business Services	22,219,228	21,887,417	331,811	2%
Command & Emergency Planning	6,715,451	6,227,728	487,723	8%
Community Risk Reduction	11,467,722	12,477,132	(1,009,410)	-8%
EMS	8,711,766	9,415,371	(703,605)	-7%
Executive Management	12,779,851	12,755,774	24,077	0%
Human Resources	6,437,004	7,129,487	(692,483)	-10%
Logistics	25,877,918	25,133,365	744,553	3%
Operations	234,006,293	230,125,437	3,880,856	2%
Special Operations	14,079,419	14,903,167	(823,748)	-6%
<b>Total</b>	<b>342,294,653</b>	<b>340,054,878</b>	<b>2,239,775</b>	<b>1%</b>

- **Community Risk Reduction** – The variance of (\$1.0M) or -8% in this department is a result of savings in S&EB due to underfilling of positions, as well as savings in Services and Supplies due to a COVID related decrease in inspections and lower expenditures in the Cal-Fire Tree Pest Mitigation Grant.
- **Human Resources** – This division ended the third quarter \$692K or 10% below the budgetary estimate, primarily due to lower spending in professional and specialized services in the Recruitment section. Recruitment efforts were focused on firefighter paramedics during FY 2020/21.
- **Operations** – This department is exceeding budget estimates for the third quarter primarily due to higher backfill/overtime expenditures. Part of the budgetary variance is due to overtime costs incurred for reimbursable emergency incidents including additional assistance by hire expenditures that were not included in the Mid-Year Budget Adjustment as well as reimbursable overtime related to COVID-19 vaccine distribution. Major incidents in FY 2020/21 include the Apple, August Complex, Blue Ridge, Bond, Castle, Deer, Lake, LNU Lightning Complex, SCU Lightning Complex, and Silverado Canyon fires. Open Position overtime, used to fill vacancies in the firefighter ranks, is also contributing to the variance. This category of overtime which is typically offset by vacancy savings will continue to be monitored.

Expenditures by type are outlined below, with exception details following the table:

Expenditures by Type	YTD Actual Expenditures	Trended YTD Budget Estimate	Variance: Actual to Budget in Dollars	% Variance
Salary and Employee Benefits	307,629,286	303,183,937	4,445,349	1%
Services and Supplies	34,131,614	36,404,401	(2,272,788)	-6%
Equipment	533,754	466,540	67,214	14%
<b>Total</b>	<b>342,294,653</b>	<b>340,054,878</b>	<b>2,239,775</b>	<b>1%</b>

*Totals may not equal the sum of components, or Authority-wide totals, due to rounding*

- **Salary & Employee Benefits** – This category is trending over budget estimates for the second quarter by approximately \$4.4 million or 1%. This is primarily due to higher backfill/overtime expenditures. Part of the budgetary variance is due to overtime costs incurred for reimbursable emergency incidents including additional assistance by hire expenditures that were not included in the Mid-Year Budget Adjustment as well as reimbursable overtime related to COVID-19 vaccine distribution. Major incidents in FY 2020/21 include the Apple, August Complex, Blue Ridge, Bond, Castle, Deer, Lake, LNU Lightning Complex, SCU Lightning Complex, and Silverado Canyon fires. Open Position overtime, used to fill vacancies in the firefighter ranks, is also contributing to the variance. This category of overtime which is typically offset by vacancy savings will continue to be monitored.

## **CIP FUNDS**

Revenues and expenditures for the Capital Improvement Program funds are summarized below. Any variances are noted following the fund table:

### **General Fund CIP**

Fund 12110	YTD Actual	Budget	Percent
Expenditures	4,340,265	12,216,121	35.5%

- This Fund receives transfers from the General Fund as its revenue source.
- Appropriations of \$12.2 million include funding for upgrades, routine maintenance and replacement of equipment such as: enterprise phone/public address system upgrade, fire station bathroom inclusive facilities projects, dormitory privacy (FS 41 and FS 53), kitchen, flooring and/or bathroom remodels (FS 41, FS 26 and FS 6), thermal imaging cameras, telephone/alarm system upgrade, data network upgrades, replacement of PCs, laptops, tablets, printers, 800 MHz radios, VHF radios, WMD protective suits/respirator canisters, RFOTC uninterruptible power system, MDC system, high pressure airbags, body armor, duo-dote auto-injectors, fire shelters, and installation of SCBA bottle filling stations.
- Expenditures of approximately \$4.3 million are attributable to the thermal imaging cameras, fire station telephone/alarm/sound system upgrade, replacement PCs, tablets and printers, 800 MHz radios, body armor replacement, station bathroom inclusive facilities projects, high pressure airbags, and various IT and Property Management projects described above.

## Fire Stations and Facilities

Fund 123	YTD Actual	Budget	Percent
Revenue	686,590	580,613	118.3%
Expenditures	1,184,415	11,224,673	10.6%

- Revenues in this fund are attributable to interest earned through the third quarter and developer contributions of \$648K.
- Appropriations of \$11.2 million include funding for RFOTC training grounds expansion and upgrade, replacement of FS 10 and FS 24, infrastructure security enhancements, FS 49 apparatus bay floor reconstruction, retrofit of existing fire station life and safety systems, fire station bathroom improvements, US&R warehouse training center improvements, and construction of FS 12.
- Expenditures of approximately \$1.2M are primarily attributable to RFOTC training ground expansion and upgrade, infrastructure security enhancements and replacement of FS 10.

## Communications & Information Systems

Fund 124	YTD Actual	Budget	Percent
Revenue	16,387	13,362	122.6%
Expenditures	809,772	4,922,093	16.5%

- Revenues in this fund are attributable to interest earned through the third quarter.
- Appropriations of \$4.9 million include funding for: CRR automation/IFP replacement, RFOTC data center fire suppression system upgrade, disaster recovery co-location facility, EMS enterprise system development, enterprise audio video equipment upgrades, incident reporting application replacement, theHIVE cloud upgrade, next generation CAD2CAD, and EMS immunization tracking.
- Year to date expenditures of \$810K are primarily attributable to the progress on the CRR automation/IFP replacement, disaster recovery co-location facility, and EMS immunization tracking.

## Fire Apparatus

Fund 133	YTD Actual	Budget	Percent
Revenue	1,435,727	1,672,679	85.8%
Expenditures	2,692,654	15,671,698	17.2%

- Revenues in this fund are attributable to vehicle replacement program payments from cash contract cities and interest earned through the third quarter.
- Appropriations of \$15.7 million include vehicle outfitting, 5 100' quint trucks, 2 HazMat vehicles, a heavy rescue vehicle, 10 vans, 7 utility pickups, 2 light service trucks, 9 mid-size pickups, a US&R support vehicle, 2 squad vehicles, 3 full-size SUVs, a superintendent vehicle, and other miscellaneous emergency and support vehicles.

- Expenditures through the third quarter include a heavy rescue vehicle, light service trucks, mid-size pickups, utility pickups, full and mid-size SUVs, step and cargo vans, mid-size sedans, quad ATV, and outfitting costs.

### **SUMMARY**

***For more information.*** This summary is based on detailed information from our financial system. If you would like more information or have any questions about the report, please contact Stuart Lam, Budget Manager at 714-573-6302, or Tricia Jakubiak, Treasurer at 714-573-6301.



Orange County Fire Authority  
**AGENDA STAFF REPORT**

Executive Committee Meeting  
May 27, 2021

Agenda Item No. 2D  
Consent Calendar

**Classification and Compensation Recommendations for  
Fleet Services Occupational Series**

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**Contact(s) for Further Information**

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**Summary**

This agenda item is submitted for approval to implement several classification and compensation recommendations resulting from a comprehensive study of the Fleet Services occupational series. This study was conducted pursuant to the 2018-2020 Memorandum of Understanding (MOU) between the Orange County Fire Authority (OCFA) and the Orange County Employees Association (OCEA).

**Prior Board/Committee Action**

At the May 4, 2021, Human Resources Committee meeting, the Committee reviewed the proposed agenda item and directed staff to place on the Executive Committee agenda for approval by 6-0 vote (Director Hatch absent).

**RECOMMENDED ACTION(S)**

1. Approve the establishment of the Equipment Technician I/II, Heavy Equipment Technician I/II, and Communications Installer I/II flexible classification series, with corresponding salary ranges.
2. Approve the retitling and adoption of the revised classification specification with corresponding salary range for Fire Apparatus Technician to Equipment Technician II, Senior Fire Apparatus Technician to Heavy Equipment Technician II, Fire Apparatus Parts Specialist to Equipment Parts Specialist, and Senior Fire Apparatus Parts Specialist to Senior Equipment Parts Specialist.
3. Approve the reclassification of one (1) Assistant Fire Apparatus Technician to Heavy Equipment Technician I, one (1) Fire Apparatus Parts Specialist to Service Center Technician I, seven (7) Fire Apparatus Parts Specialists to Communications Installer I, one (1) Fire Apparatus Parts Specialist to Supply Services Specialist, and one (1) Communications Installer to Communications Installer II.
4. Approve adoption of the revised classification specifications for Fleet Services Supervisor and Fleet Services Coordinator, with corresponding salary ranges.

**Impact to Cities/County**

Not Applicable.

## **Fiscal Impact**

The annual impact of this reclassification is \$16,943, which will be incorporated into future budgets.

## **Background**

Orange County Fire Authority's Fleet Services Division is responsible for ensuring the effective and timely repair, servicing, and maintenance of all 530 vehicles, apparatus, and equipment. This Division also works closely with OCFA's managers and other personnel concerning new vehicle specifications and purchases, maintenance schedules, replacement prioritization and service. Finally, this Division identifies and initiates projects to improve apparatus and automotive-related functions, mechanical systems, administrative areas, safety, and operating efficiencies.

In the 2018-2021 Memorandum of Understanding (MOU) between the Orange County Fire Authority (OCFA) and the Orange County Employees Association (OCEA), OCFA agreed to conduct a classification study for the Service Center occupational series, as well as up two (2) additional job series studies before the end of year three [Article XXII, Section 2(C)]. After the results of the Service Center study were implemented, OCEA requested that the Fleet Services occupational series be studied. Koff & Associates (Koff) was retained to conduct a comprehensive classification and compensation study on the Fleet Services occupational series. The study commenced in November 2019 and evaluated the essential duties of the occupational series in order to identify the scope and complexity of work, develop a sound classification structure with a defined career ladder, and recommend an equitable base salary structure that is both internally equitable and externally competitive.

Classifications are often grouped in an occupational series. Fleet Services currently includes two occupational series, including a fire equipment maintenance series and a fire apparatus parts series. The six-level fire equipment maintenance series begins with an entry-level classification (Fleet Assistant) and progresses to skilled (Assistant Fire Apparatus Technician), journey-level (Fire Apparatus Technician and Senior Fire Apparatus Technician), and finally supervisory classifications (Fleet Services Supervisor and Fleet Services Coordinator). The two-level fire apparatus parts series includes an entry-level classification (Fire Apparatus Parts Specialist) and progresses to the supervisory classification (Senior Fire Apparatus Parts Specialist). The fire apparatus parts series is used both in Fleet Services, as well as the Information Technology Division, Communications, and Infrastructure Section.

### **Reclassification Recommendations**

Reclassification recommendations are made for positions that are better aligned with a differing class due to the level and scope of work, and/or job functions that have been added to or removed from those positions over time. The study resulted in eleven (11) positions, allocated to three (3) classifications, to be reclassified, as noted in the table below. Not every incumbent in the current classification is recommended for a reclassification.

<b>CURRENT CLASSIFICATION TITLE</b>	<b>PROPOSED CLASSIFICATION TITLE</b>
Assistant Fire Apparatus Technician (1)	Heavy Equipment Technician I
Fire Apparatus Parts Specialist (1)	Service Center Technician I
Fire Apparatus Parts Specialist (7)	Communications Installer I
Fire Apparatus Parts Specialist (1)	Supply Services Specialist
Communications Installer (1)	Communications Installer II

### Title Change Recommendations

Title changes noted in the table below are recommended to more clearly reflect the level and scope of work being performed, to consolidate work into broader categories that could be used Authority-wide, as well as to establish consistency with the labor market and industry standards.

CURRENT CLASSIFICATION TITLE	PROPOSED CLASSIFICATION TITLE
Fire Apparatus Technician	Equipment Technician II
Senior Fire Apparatus Technician	Heavy Equipment Technician II
Fire Apparatus Parts Specialist	Equipment Parts Specialist
Senior Fire Apparatus Parts Specialist	Senior Equipment Parts Specialist

### New Classifications

To accommodate changes in organizational structure and responsibilities, a flexible staffing classification of Communications Installer I/II was created. The Authority currently has the classification of Communications Installer Seven (7) of the current employees who participated in this study and who are assigned to the Information Technology Division, Communications and Infrastructure Section as Fire Apparatus Parts Specialist are recommended to be reclassified to the Communications Installer I classification.

In addition, a flexible staffing classification of Equipment Technician I/II and Heavy Equipment Technician I/II was created. The four (4) existing positions classified as Fire Apparatus Technician were recommended to have their titles changed to the new title of Equipment Technician II. The thirteen (13) existing position classified as Senior Fire Apparatus Technician were recommended to have their titles changed to Heavy Equipment Technician II. Adding the I or entry-level to this classification series will provide the Authority with flexibility with staffing during the recruitment process.

### Salary Range Recommendations

Upon completion of the classification portion of the study, including the creation of new classifications that accurately reflect the level and scope of work performed, an external market study was performed to determine how OCFA compares with other California public agencies in terms of compensation.

A benchmark is a job that is found in many organizations and performed by several individuals who have similar duties and require similar qualifications. The Equipment Technician II (currently the Fire Apparatus Technician) is the benchmark classification of the Fleet Services fire equipment mechanic occupational series. The external market study revealed that our current Fire Apparatus Technician salary is above market when compared to public agencies in our labor market. Providing for internal equity and external competition, the proposed salary range for the Fleet Services fire equipment mechanic occupational series is as follows:

FIRE EQUIPMENT MECHANIC SERIES CURRENT LEVELS/HOURLY RATE			
Level	Classification	Min Hourly Rate	Max Hourly Rate
1	Fleet Assistant ( <i>Studied in 2019</i> )	\$16.12	\$21.72
2	Assistant Fire Apparatus Technician	\$24.12	\$32.51
3	Fire Apparatus Technician	\$27.63	\$37.24

4	Senior Fire Apparatus Technician	\$29.82	\$40.20
5	Fleet Services Supervisor	\$33.75	\$45.49
6	Fleet Services Coordinator	\$34.63	\$46.67

**FIRE EQUIPMENT MECHANIC SERIES  
PROPOSED LEVELS/HOURLY RATE**

Level	Classification	Min Hourly Rate	Max Hourly Rate
1	Fleet Assistant ( <i>No change</i> )	\$16.12	\$21.72
2	Equipment Technician I	\$23.04	\$31.05
3	Equipment Technician II	\$25.62	\$34.53
4	Heavy Equipment Technician I	\$28.11	\$37.89
5	Heavy Equipment Technician II	\$30.81	\$41.53
6	Fleet Services Coordinator	\$32.84	\$44.26
7	Fleet Services Supervisor	\$35.78	\$48.22

The Equipment Parts Specialist (currently the Fire Apparatus Parts Specialist) is the benchmark classification of the Fleet Services fire apparatus parts occupational series. The external market study revealed that our current Fire Apparatus Parts Specialist salary is below market when compared to public agencies in our labor market. Providing for internal equity and external competition, the proposed salary range for the Fleet Services fire apparatus parts occupational series is as follows:

**FIRE APPARATUS PARTS SERIES  
CURRENT LEVELS/HOURLY RATE**

Level	Classification	Min Hourly Rate	Max Hourly Rate
1	Fire Apparatus Parts Specialist	\$20.39	\$27.48
2	Senior Fire Apparatus Parts Specialist	\$24.48	\$32.99

**FIRE APPARATUS PARTS SERIES  
PROPOSED LEVELS/HOURLY RATE**

Level	Classification	Min Hourly Rate	Max Hourly Rate
1	Equipment Parts Specialist	\$21.35	\$28.77
2	Senior Equipment Parts Specialist	\$24.48	\$32.99

Providing for internal equity and external competition, the proposed salary range for the new Communications Installer I/II flexible classifications are as follows (The entire Communications Technical series was not studied):

**COMMUNICATIONS TECHNICAL SERIES  
CURRENT LEVELS/HOURLY RATE**

Level	Classification	Min Hourly Rate	Max Hourly Rate
1	Communications Installer	\$21.78	\$29.35

**PROPOSED LEVELS/HOURLY RATE**

Level	Classification	Min Hourly Rate	Max Hourly Rate
1	Communications Installer I	\$20.39	\$27.48
2	Communications Installer II	\$23.04	\$31.05

The proposed classification specifications are attached.



**Attachment(s)**

1. Proposed Equipment Technician I/II Classification Specification
2. Proposed Heavy Equipment Technician I/II Classification Specification
3. Proposed Fleet Services Coordinator Classification Specification
4. Proposed Fleet Services Supervisor Classification Specification
5. Proposed Equipment Parts Specialist Specification
6. Proposed Senior Equipment Parts Specialist Classification Specification
7. Proposed Communications Installer I/II Classification Specification



**June 2020**  
**FLSA: Non-Exempt**

## **EQUIPMENT TECHNICIAN I/II**

### **DEFINITION**

Under immediate (Equipment Technician I) to general (Equipment Technician II) supervision, performs a variety of routine and semi-skilled mechanic duties to repair, service, and maintain a variety of fire apparatus equipment weighing up to 15,000 pounds; and performs related duties as assigned.

### **SUPERVISION RECEIVED AND EXERCISED**

Receives immediate (Equipment Technician I) to general (Equipment Technician II) supervision from assigned supervisory and/or management staff. Exercises no direct supervision over staff.

### **CLASS CHARACTERISTICS**

Equipment Technician I – The Equipment Technician I is the first level in the two-level Equipment Technician series and is part of the broader seven level Fire Equipment Maintenance series. Initially under close supervision, incumbents learn and perform routine duties in the Fleet Services Center including the repair and servicing of various types of gasoline and diesel-powered equipment. As experience is gained, assignments become more varied, complex, and difficult; close supervision and frequent review of work lessen as an incumbent demonstrates skill to perform the work independently. Positions at this level usually perform most of the duties required of the positions at the Equipment Technician II level but are not expected to function at the same skill level, and usually exercise less independent discretion and judgment in matters related to work procedures and methods. Work is usually supervised while in progress and fits an established structure or pattern. Exceptions or changes in procedures are explained in detail as they arise.

Equipment Technician II – The Equipment Technician II is the second level in the two-level Equipment Technician series and is part of the broader seven level Fire Equipment Maintenance series. This is the fully qualified journey-level classification in the Equipment Technician series. Positions at this level are distinguished from the Equipment Technician I level by the performance of the full range of duties as assigned, working independently, and exercising judgment and initiative. Positions at this level receive only occasional instruction or assistance as new or unusual situations arise and are fully aware of the operating procedures and policies of the work unit. This class is distinguished from the Fleet Services Supervisor in that the latter performs full supervisory duties and supervises lower level staff.

Positions in the Equipment Technician class series are flexibly staffed; positions at the Equipment Technician II level are normally filled by advancement from the Equipment Technician I level; progression to the Equipment Technician II level is dependent on (i) management affirmation that the position is performing the full range of duties assigned to the classification; (ii) satisfactory work performance; (iii) the incumbent meeting the minimum qualifications for the classification including any licenses and certifications; and (iv) management approval for progression to the Equipment Technician II level.

### **EXAMPLES OF TYPICAL JOB FUNCTIONS (Illustrative Only)**

*Management reserves the right to add, modify, change, or rescind the work assignments of different positions, and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.*

*Positions at the Equipment Technician I level may perform some of these duties and responsibilities in a learning capacity.*

- Performs safety inspections, routine, and preventative maintenance on a variety of equipment including automobiles, trucks, forklifts, UTV, electric golf carts, woodchippers, airport tugs, floor cleaners, boat motors, generators, compressed air foam systems, and fire water pumps.
- Maintains Authority vehicles in proper condition by receiving and responding to operator complaints, conducting inspections, repairing engine failures, repairing mechanical and electrical systems malfunctions, and replacing parts and components.
- Performs preventative maintenance on Authority vehicles and equipment such as oil changes, tune-ups, lubes, tire rotations, engine and radiator flushes, and filter replacements.
- Performs bumper to bumper minor body work and painting including rust repair.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls equipment braking systems including anti-lock brake systems, traction control systems, brake rotors, brake drums, brake pads, brake shoes, master cylinders, hydro boost systems, power bleed brake systems, and machine brake rotors and drums.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls gasoline and diesel engines including removal and replacement of engine lock block, turbo chargers, oil coolers, valves, high pressure oil systems, glow plug modules and plugs, diesel and gasoline injectors, motor mounts, exhaust manifolds, intake manifolds, throttle bodies, carburetors, diesel injection pumps, and emission systems; performs opacity testing.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls equipment starting and charging systems including batteries, starters, alternators, dual alternator systems, and on-board charging systems.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls equipment steering and suspension systems including steering gears, steering linkage, rack and pinion units, control arms, ball joints, shock absorbers, steering stabilizers, sway bar systems, power steering pumps, hydro boost systems and alignments, and/or other related parts.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls equipment drive train systems including removal and replacement of automatic transmissions, transfer cases, drive shafts and u joints, wheel bearing, four-wheel drive hubs, and overhaul axle differentials.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls electrical and computer systems including repairing of shorts in circuits, testing loads on systems, installation of entire electrical circuits, programming load manager computers, programming body control modules, and multiplexing systems.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls ignition systems including standard ignition systems, distributor less ignition systems, and coil on plug systems; removes and replaces distributors, coils, coil packs, and spark plugs; sets ignition timing.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls engine cooling systems including removal and replacement of radiators, thermostats, fan clutches, water pumps, heater cores, and associated hoses.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls air conditioning systems including automatic climate control systems; properly recovers refrigerant; removes and replaces compressors, evaporators, accumulators, orifice tubes, thermostatic expansion valves, and all associated hoses.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls fire water pumps, compressed air foam systems, and associated valves and plumbing.
- Diagnoses, adjusts, repairs, replaces, and/or overhauls hydraulic systems including hydraulic pumps, valves, cylinders, tanks, and associated hoses.
- Services, removes, replaces, and/or repairs a variety of systems and/or components including drive belts, pulleys, voltage regulators, cylinder head gaskets, intake manifold gaskets, and emission control systems.

- Fabricates metal parts including mild steel, aluminum, and stainless steel.
- Reads and interprets technical manuals and blueprints to facilitate installation, servicing, repair, and replacement services and activities.
- As assigned, performs heavy equipment preventative maintenance including changing oils and filters, fire pump testing, steam cleaning chassis, and tire removal and placement; assists Heavy Equipment Technician I/II's with their work as required.
- Troubleshoots, diagnoses, and repairs emergency electrical equipment including air horns, sirens, lightbars, on board computer systems, and other related equipment.
- Maintains work, time, and material records.
- Performs vehicle repair work in the field.
- Performs related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- Principles, practices, methods, equipment, materials, and tools used in overhaul repairs including a wide variety of light automotive and power equipment.
- Operating principles of gasoline, diesel, and natural gas engines, and mechanical repair of light trucks and other equipment.
- Operational characteristics of electrical and electronic components used in modern vehicles and equipment.
- Methods and techniques of using diagnostic equipment to evaluate maintenance needs in a diverse range of vehicles and equipment.
- Hand and power tools and heavy equipment used in the course of work.
- Methods, materials, equipment, and tools used in routine welding and fabrication work.
- Occupational hazards and safety equipment and practices related to the work.
- Principles and procedures of record-keeping and reporting.
- Authority and mandated safety rules, regulations, and protocols.
- Orange County geography and street layout.
- Safe driving practices and techniques; applicable California Vehicle Codes.
- GPS for driving purposes.
- Basic principles and procedures of record-keeping and reporting.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors, and Authority staff.
- The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
- Modern equipment and communication tools used for business functions and program, project, and task coordination, including computers and software programs relevant to work performed.

### **Ability to:**

- Inspect, locate, correct, or adjust malfunctions or defects in complex repairs needed for all systems in a diverse range of vehicles and equipment.
- Troubleshoot and determine appropriate action in the maintenance and repair of automobiles, trucks, and a variety of diesel, gasoline, electric, and natural gas-powered maintenance equipment.
- Use a diverse range of diagnostic tools to identify maintenance needs.

- Operate a variety of automotive, truck, and heavy equipment and testing equipment in a safe and effective manner.
- Maintain accurate logs, records, and basic written records of work performed.
- Understand and follow oral and written instructions.
- Make accurate arithmetic calculations.
- Read, interpret, and apply a wide variety of technical information from manuals, drawings, specifications, layouts, blueprints, and schematics.
- Safely and effectively use and operate hand tools, mechanical equipment, power tools, and lighting.
- Maintain tools and equipment in a clean working condition providing for proper security.
- Read and follow maps and/or use GPS to determine best routes.
- Understand, interpret, and apply all pertinent laws, codes, regulations, policies and procedures, and standards relevant to work performed.
- Independently organize work, set priorities, meet critical deadlines, and follow-up on assignments.
- Use tact, initiative, prudence, and independent judgment within general policy, procedural, and legal guidelines.
- Effectively use computer systems, software applications relevant to work performed, and modern business equipment to perform a variety of work tasks.
- Communicate clearly and concisely, both orally and in writing, using appropriate English grammar and syntax.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

**Education and Experience:**

*Any combination of training and experience that would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:*

Education:

- Equipment Technician I/II - Equivalent to completion of the twelfth (12<sup>th</sup>) grade supplemented by vocational training in vehicle maintenance and repair.

Experience:

- Equipment Technician I – Two (2) years of experience in the repair and maintenance of gasoline and diesel-powered equipment.
- Equipment Technician II – Two (2) years of experience performing duties similar to an Equipment Technician I with the OCFA or other fire agency.

**Licenses and Certifications:**

- Possession of, or successful acquisition by time of appointment, a valid Class C California driver's license, to be maintained throughout employment.
- Possession of, or successful acquisition within six (6) months of appointment, a valid Class B California driver's license, with air brake and tanker endorsements, to be maintained throughout employment.

### **PHYSICAL DEMANDS**

Must possess mobility to work in a warehouse environment and in the field; strength, stamina, and mobility to perform medium to heavy physical work; to sit, stand, and walk on level, uneven, or slippery surfaces; frequently reach, twist, turn, kneel, bend, stoop, squat, crouch, grasp and make repetitive hand movement in the performance of daily duties; to climb and descend from fire apparatus and vehicles, to operate varied hand and power tools and construction equipment, and to operate a motor vehicle and visit various County sites; vision including color vision to inspect and operate equipment. The job involves fieldwork requiring frequent walking in operational areas. Finger dexterity is needed to operate and repair tools and equipment. Employees must possess the ability to lift, carry, push, and pull materials and objects averaging a weight of 50 pounds or heavier weights with the appropriate equipment on a frequent/occasional basis, in all cases with the use of proper equipment and/or assistance from other staff. Exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

Employees must wear and use the proper Personal Protective Equipment (PPE).

### **ENVIRONMENTAL CONDITIONS**

Employees primarily work in a maintenance shop and in the field and are exposed to loud and excessive noise levels, cold and hot temperatures, inclement weather conditions, road hazards, vibration, confining workspace, chemicals, mechanical and/or electrical hazards, grease, oils, solvents, vermin, insects, and parasites, biologic and infectious agents, hazardous physical substances and odors, fumes, dust and air contaminants, machinery with extremely hot surfaces and moving parts, moving objects or other vehicles, and work at heights using stationary and mobile ladders. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

### **WORKING CONDITIONS**

May be required to work various shifts or emergencies on evenings, weekends, and holidays. May travel to and from remote locations for incident assignments and may be required to stay in remote locations without accommodations.



**June 2020**  
**FLSA: Non-Exempt**

## **HEAVY EQUIPMENT TECHNICIAN I/II**

### **DEFINITION**

Under immediate (Heavy Equipment Technician I) to general (Heavy Equipment Technician II) supervision, performs a variety of major and minor mechanical and electrical repairs and adjustments on a variety of fire apparatus equipment weighing over 15,000 pounds; and performs related duties as assigned.

### **SUPERVISION RECEIVED AND EXERCISED**

Receives immediate (Heavy Equipment Technician I) to general (Heavy Equipment Technician II) supervision from assigned supervisory and/or management staff. Exercises no direct supervision over staff.

### **CLASS CHARACTERISTICS**

Heavy Equipment Technician I - The Heavy Equipment Technician I is the first level in the two-level Heavy Equipment Technician series and is part of the broader seven level Fire Equipment Maintenance series. Initially under close supervision, incumbents learn and perform routine duties in the Fleet Services Center including the repair and servicing of a variety of heavy fire apparatus equipment. As experience is gained, assignments become more varied, complex, and difficult; close supervision and frequent review of work lessen as an incumbent demonstrates skill to perform the work independently. Positions at this level usually perform most of the duties required of the positions at the Heavy Equipment Technician II level but are not expected to function at the same skill level, and usually exercise less independent discretion and judgment in matters related to work procedures and methods. Work is usually supervised while in progress and fits an established structure or pattern. Exceptions or changes in procedures are explained in detail as they arise.

Heavy Equipment Technician II – The Heavy Equipment Technician II is the second level in the two-level Heavy Equipment Technician series and is part of the broader seven level Fire Equipment Maintenance series. This is the fully qualified journey-level classification in the Heavy Equipment Technician series. Positions at this level are distinguished from the Heavy Equipment Technician I level by the performance of the full range of duties as assigned, working independently, and exercising judgment and initiative. Positions at this level receive only occasional instruction or assistance as new or unusual situations arise and are fully aware of the operating procedures and policies of the work unit. This class is distinguished from the Fleet Services Supervisor in that the latter performs full supervisory duties and supervises lower level staff.

Positions in the Heavy Equipment Technician class series are flexibly staffed; positions at the Heavy Equipment Technician II level are normally filled by advancement from the Heavy Equipment Technician I level; progression to the Heavy Equipment Technician II level is dependent on (i) management affirmation that the position is performing the full range of duties assigned to the classification; (ii) satisfactory work performance; (iii) the incumbent meeting the minimum qualifications for the classification including any licenses and certifications; and (iv) management approval for progression to the Heavy Equipment Technician II level.

**EXAMPLES OF TYPICAL JOB FUNCTIONS (Illustrative Only)**

*Management reserves the right to add, modify, change, or rescind the work assignments of different positions, and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.*

*Positions at the Heavy Equipment Technician I level may perform some of these duties and responsibilities in a learning capacity.*

- Diagnoses, adjusts, repairs, replaces, and/or overhauls a variety of systems and/or components, including breathing air compressors, air monitor systems, foam systems, steering and suspension systems, anti-lock brake systems, aviation crash equipment, hydraulic systems, engines, pinion gear assemblies, drive belts, pulleys, fans, clutches, exhaust systems, cooling systems, manifolds, batteries, alternators, voltage regulators, cylinder head gaskets, intake manifold gaskets, carburetors, emission control systems, on-board computer systems, fuel pumps, seating, transmission and motor mounts, and/or other related equipment or systems.
- Retrofits fire apparatus when technology becomes obsolete including converting foam systems.
- Designs, fabricates, and repairs metal parts including pump mounts, exhaust systems, doors, frames, bumpers, steps, and other parts, utilizing mig and gas welders.
- Performs preventative maintenance such as oil changes, tune-ups, lubes, changing fluids, changing spark plugs, checking ignition timing, checking lighting systems, replacing bulbs, testing batteries, checking equipment for damages, and filter replacements on fire engines, fire trucks, dump trucks, air utility trucks, and other vehicles and equipment.
- Repairs electrical and computer systems on vehicles including shorts in circuits; tests and evaluate loads on systems; programs load manager computers.
- Tests, repairs, and rebuilds valves and pumps; replaces pump packing and seals, impellers, bearing shafts, lantern rings, flapper valves, anodes, thermal relief vales, discharge transducer, pressure sensors, water level gauge and transducer, and calibrate gauges.
- Diagnoses, adjusts, and repairs gasoline and diesel-powered forklifts and booms, 110v and 220v system/generators, trailers, aircraft rescue apparatus, helicopter tug, and outboard boat engines.
- Examines, locates, and repairs mechanical and structural defects in aerial ladder equipment.
- Drives and/or operates heavy fire apparatus.
- Checks tires for wear and damage; repairs, mounts, dismounts, and balances tires; changes and replaces tires on vehicles.
- Maintains vehicle functional condition by receiving and responding to operator complaints, conducting inspections, repairing engine failures, repairing mechanical and electrical systems malfunctions, and replacing parts and components.
- Researches, orders, and obtains parts needed for repairs; locates parts in parts department based on needed repairs; contacts outside vendors for parts orders; maintains list of part numbers.
- Participates on the apparatus selection committee; attends pre-bid meeting with manufacturers to review, evaluate, and grade proposals; attends middle and final build meetings; works with other Authority staff to ensure equipment meets department needs.
- Reads and interprets technical manuals and blueprints to facilitate installation, servicing, repair, and replacement services and activities.
- Maintains work, time, and material records.
- Lifts heavy supplies, materials, and equipment; transports heavy equipment.



- Performs vehicle repair work in the field including areas outside of Orange County.
- Responds to emergency incidents to provide supplies, materials, and equipment during the workday, nights, weekends, or holidays.
- Performs related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- Operating principles of gasoline, diesel, and natural gas engines, and mechanical repair of medium and heavy gasoline and diesel engine trucks and other equipment.
- Operational characteristics of electrical and electronic components used in modern vehicles and equipment.
- Methods and techniques of using diagnostic equipment to evaluate maintenance needs in a diverse range of fire apparatus, vehicles, and equipment.
- Hand and power tools and heavy equipment used in the course of work.
- Methods, materials, equipment, and tools used in routine welding and fabrication work.
- Parts and repair manuals; ordering parts.
- Occupational hazards and safety equipment and practices related to the work.
- Principles and procedures of record-keeping and reporting.
- Authority and mandated safety rules, regulations, and protocols.
- Orange County geography and street layout.
- Safe driving practices and techniques; applicable California Vehicle Codes.
- GPS for driving purposes.
- Principles and procedures of record-keeping and reporting.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors, and OCFA staff.
- The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
- Modern equipment and communication tools used for business functions and program, project, and task coordination, including computers and software programs relevant to work performed.

### **Ability to:**

- Inspect, locate, correct, or adjust malfunctions or defects for a diverse range of vehicles and equipment
- Troubleshoot and determine appropriate action in the maintenance and repair of a variety of heavy gasoline and diesel engines.
- Diagnose and repair apparatus pumps and valves.
- Use a diverse range of diagnostic tools to identify maintenance needs.
- Operate a variety of automotive, truck, and heavy equipment and testing equipment in a safe and effective manner.
- Maintain accurate logs, records, and basic written records of work performed.
- Understand and follow oral and written instructions.
- Make accurate arithmetic calculations.
- Read, interpret, and apply a wide variety of technical information from manuals, drawings, specifications, layouts, blueprints, and schematics.
- Safely and effectively use and operate hand tools, mechanical equipment, power tools, and lighting.
- Maintain tools and equipment in a clean working condition providing for proper security.
- Read and follow maps and/or use GPS to determine best routes.
- Understand, interpret, and apply all pertinent laws, codes, regulations, policies and procedures, and standards relevant to work performed.

- Independently organize work, set priorities, meet critical deadlines, and follow-up on assignments.
- Use tact, initiative, prudence, and independent judgment within general policy, procedural, and legal guidelines.
- Effectively use computer systems, software applications relevant to work performed, and modern business equipment to perform a variety of work tasks.
- Communicate clearly and concisely, both orally and in writing, using appropriate English grammar and syntax.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

### **Education and Experience:**

*Any combination of training and experience that would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:*

#### **Education:**

- Heavy Equipment Technician I/II - Equivalent to completion of the twelfth (12<sup>th</sup>) grade supplemented by vocational training in vehicle maintenance and repair.

#### **Experience:**

- Heavy Equipment Technician I – Two (2) years of experience in the repair and maintenance of heavy gasoline and diesel-powered equipment.
- Heavy Equipment Technician II – Five (5) years of journey-level mechanic experience including two (2) years performing duties similar to a Heavy Equipment Technician I with the Authority or other fire agency.

### **Licenses and Certifications:**

- Possession of, or successful acquisition by time of appointment, a valid Class C California driver's license, to be maintained throughout employment.
- Possession of, or successful acquisition within six (6) months of appointment, a valid California Class B driver's license, with air brake, manual transmission, and tanker endorsements, to be maintained throughout employment. Hazardous Material endorsement must be obtained within nine (9) months of appointment.
- Possession of, or successful acquisition within six (6) months of appointment, a valid EPA 609 Air Conditioning certification, to be maintained throughout employment.

### **PHYSICAL DEMANDS**

Must possess mobility to work in a warehouse environment and in the field; strength, stamina, and mobility to perform medium to heavy physical work; to sit, stand, and walk on level, uneven, or slippery surfaces; frequently reach, twist, turn, kneel, bend, stoop, squat, crouch, grasp and make repetitive hand movement in the performance of daily duties; to climb and descend from fire apparatus and vehicles, to operate varied hand and power tools and construction equipment, and to operate a motor vehicle and visit various County sites; vision including color vision to inspect and operate equipment. The job involves fieldwork requiring frequent walking in operational areas. Finger dexterity is needed to operate and repair tools and equipment. Employees must possess the ability to lift, carry, push, and pull materials and objects averaging a weight of 50 pounds or heavier weights with the appropriate equipment on a frequent/occasional basis, in all cases with the use of proper equipment and/or assistance from other staff. Exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

Employees must wear and use the proper Personal Protective Equipment (PPE).

### **ENVIRONMENTAL CONDITIONS**

Employees primarily work in a maintenance shop and in the field and are exposed to loud and excessive noise levels, cold and hot temperatures, inclement weather conditions, road hazards, vibration, confining workspace, chemicals, mechanical and/or electrical hazards, grease, oils, solvents, vermin, insects, and parasites, biologic and infectious agents, hazardous physical substances and odors, fumes, dust and air contaminants, machinery with extremely hot surfaces and moving parts, moving objects or other vehicles, and work at heights using stationary and mobile ladders. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

### **WORKING CONDITIONS**

May be required to be on-call and to work various shifts or emergencies on evenings, weekends, and holidays. May travel to and from remote locations for incident assignments and may be required to stay in remote locations without accommodations.



**June 2020**  
**FLSA: Non-Exempt**

## **FLEET SERVICES COORDINATOR**

### **DEFINITION**

Under general direction, plans, schedules, assigns, reviews, and supervises the work of staff procuring of parts and equipment within the Fleet Services Center; plans and coordinates a comprehensive master preventive maintenance calendar for vehicles and fire apparatus; assists in writing vehicle specifications and contracts; coordinates disposal of used vehicles and equipment; provides complex staff assistance to management staff in areas of expertise; and performs related work as required.

### **SUPERVISION RECEIVED AND EXERCISED**

Receives general direction from assigned management personnel. Exercises direct supervision over technical staff.

### **CLASS CHARACTERISTICS**

This is a full supervisory-level class that exercises independent judgment on diverse and specialized fleet services center activities with accountability and ongoing decision-making responsibilities associated with the work. Incumbents are responsible for planning, organizing, supervising, reviewing, and evaluating the work of staff and for providing technical support to management in a variety of areas. Performance of the work requires the use of independence, initiative, and discretion within established guidelines.

### **EXAMPLES OF TYPICAL JOB FUNCTIONS (Illustrative Only)**

*Management reserves the right to add, modify, change, or rescind the work assignments of different positions, and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.*

- Plans, organizes, assigns, supervises, and reviews the work of equipment parts staff in the Fleet Services Center; trains staff in work procedures; evaluates employee performance, counsels employees, and effectively recommends initial disciplinary action; assists in selection and promotion.
- Participates in the development of goals, objectives, policies, and procedures for assigned services and programs; recommends and implements policies and procedures including standard operating procedures for assigned operations.
- Monitors activities of the equipment parts work unit; identifies opportunities for improving service delivery and procedures; provides recommendations concerning process changes; reviews with appropriate management staff; implements improvements.
- Coordinates assigned services and operations with other divisions and outside agencies.
- Participates in annual budget preparation; identifies resource needs; prepares detailed cost estimates with appropriate justifications; monitors expenditures.
- Provides staff assistance to management; prepares and presents staff reports and other written materials; supervises the establishment and maintenance of reports, records, and files; ensures the proper documentation of operations and activities.
- Answers questions and provides information to the public; investigates and responds to complaints and inquiries from citizens, other departments, and outside agencies; recommends corrective actions to resolve issues.

- Develops and monitors the master preventive maintenance calendar for vehicles and apparatus; monitors the status of on-going service work; informs department representatives regarding completion dates and times; enters and updates information concerning vehicle service histories for maintenance planning and fleet replacement purposes.
- Evaluates parts and equipment usage and estimates future needs and inventory levels; manages service contracts with outside vendors.
- Researches and provides information related to specifications for new vehicles and apparatus; assists in writing or reviewing specifications for bidding on new vehicles and equipment; oversees new vehicle purchases including pre-bid, pre-build, vendor selection, and vendor interviews.
- Performs information technology support on division computers and software programs including maintenance and repair, database development and utilization, software downloads and updates, and new equipment recommendations.
- Prepares vehicles and equipment for surplus sales; lists and advertises units being sold; completes title transfer process.
- Maintains files, databases, and records related to vehicle and apparatus maintenance and equipment parts inventory; prepares a variety of written reports, memoranda, and correspondence.
- Represents OCFA in meetings with members of other public and private organizations, community groups, contractors, developers, and the public.
- Ensures staff observe and comply with all OCFA and mandated safety rules, regulations, and protocols.
- Performs related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- Principles and practices of employee supervision, including work planning, assignment, review and evaluation, discipline, and the training of staff in work procedures.
- Principles and practices of leadership.
- Principles and techniques for working with groups and fostering effective team interaction to ensure teamwork is conducted smoothly.
- Basic principles and practices of budget administration and monitoring.
- Principles, practices, methods, and techniques of parts, inventory management/control, purchasing, and customer service.
- Preventive maintenance schedules and vehicle maintenance requirements.
- Principles and practices of purchasing.
- Principles and practices of warehouse operations.
- Fleet management systems.
- Licensing and registration of vehicles.
- Parts, tools, and equipment used in the maintenance and repair of gasoline and diesel-powered vehicles and equipment.
- Principles, practices, methods, equipment, materials, and tools used in the maintenance and repair of fire apparatus and equipment.
- Applicable Federal, State, and local laws, rules, regulations, and procedures relevant to assigned areas of responsibility.
- Principles and procedures of record keeping.
- OCFA and mandated safety rules, regulations, and protocols.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors, and OCFA staff.

- Modern equipment and communication tools used for business functions and program, project, and task coordination, including computers and software programs relevant to work performed.
- The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.

**Ability to:**

- Assist in developing and implementing goals, objectives, practices, policies, procedures, and work standards.
- Select and supervise staff, provide training and development opportunities, ensure work is performed effectively, and evaluate performance in an objective and positive manner.
- Understand, interpret, and apply all pertinent laws, codes, regulations, policies and procedures, and standards relevant to work performed.
- Identify problems, research and analyze relevant information, and develop and present recommendations and justification for solutions.
- Perform the most complex parts and equipment procurement functions.
- Research, analyze, and evaluate new service delivery methods, procedures, and techniques.
- Schedule preventive maintenance activities while maximizing shop production and workflow.
- Monitor warehouse inventory.
- Make accurate arithmetic calculations.
- Respond to complaints or inquiries from citizens, staff, and outside organizations.
- Read, understand, and interpret blueprints, plans, and specifications.
- Prepare clear, effective, and accurate reports, correspondence, and other written materials.
- Maintain accurate logs, records, and written records of work performed.
- Independently organize work, set priorities, meet critical deadlines, and follow-up on assignments.
- Organize and prioritize a variety of projects and multiple tasks in an effective and timely manner; organize own work, set priorities, and meet critical time deadlines.
- Use tact, initiative, prudence, and independent judgment within general policy and procedural guidelines.
- Effectively use computer systems, software applications relevant to work performed, and modern business equipment to perform a variety of work tasks.
- Communicate clearly and concisely, both orally and in writing, using appropriate English grammar and syntax.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

**Education and Experience:**

*Any combination of training and experience that would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:*

Education:

- Equivalent to an associate degree from an accredited college or university with major coursework in business administration, automotive technology, accounting, or a related field.

Experience:

- Three (3) years of increasingly responsible experience in purchasing, warehouse management, or automotive parts processing, of which two (2) years should be in a supervisory or lead capacity.

### **Licenses and Certifications:**

- Possession of, or ability to obtain, a valid Class C California driver's license by time of appointment.

### **PHYSICAL DEMANDS**

Must possess mobility to work in a warehouse environment; strength, stamina, and mobility to perform light to medium physical work; to sit, stand, and walk on level, uneven, or slippery surfaces; frequently reach, twist, turn, kneel, bend, stoop, squat, crouch, grasp and make repetitive hand movement in the performance of daily duties; to climb and descend from fire apparatus, vehicles, and ladders; to operate varied hand and power tools and construction equipment, and to operate department vehicles and equipment, and visit various County sites; vision including color vision to understand warning lights. Finger dexterity is needed to operate and repair equipment. Employees must possess the ability to lift, carry, push, and pull materials and objects averaging a weight of 40 pounds or heavier weights with the appropriate equipment on a frequent/occasional basis, in all cases with the use of proper equipment and/or assistance from other staff.

### **ENVIRONMENTAL CONDITIONS**

Employees primarily work in a warehouse environment with moderate noise levels and controlled temperature conditions. Employees are occasionally exposed to loud and excessive noise levels, outdoor weather conditions, vibration, chemicals, mechanical and/or electrical hazards, hazardous physical substances and odors, fumes, dust, and air contaminants, moving objects or other vehicles, and work at heights using stationary and mobile ladders. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

### **WORKING CONDITIONS**

N/A



**June 2020**  
**FLSA: Non-Exempt**

## **FLEET SERVICES SUPERVISOR**

### **DEFINITION**

Under general direction, plans, schedules, assigns, reviews, and supervises the work of staff responsible for vehicle, fire apparatus, and equipment maintenance operations within the Fleet Services Center; oversees day-to-day activities of the maintenance shop; performs a variety of complex diesel vehicle and heavy equipment repair and maintenance tasks; and performs related work as required.

### **SUPERVISION RECEIVED AND EXERCISED**

Receives general direction from assigned management personnel. Exercises direct supervision over technical staff.

### **CLASS CHARACTERISTICS**

This is a full supervisory-level class that exercises independent judgment on diverse and specialized vehicle, fire apparatus, and equipment maintenance activities with accountability and ongoing decision-making responsibilities associated with the work. Incumbents are responsible for planning, organizing, supervising, reviewing, and evaluating the work of staff and for providing technical support to management in a variety of areas. Performance of the work requires the use of independence, initiative, and discretion within established guidelines.

### **EXAMPLES OF TYPICAL JOB FUNCTIONS (Illustrative Only)**

*Management reserves the right to add, modify, change, or rescind the work assignments of different positions, and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.*

- Plans, organizes, assigns, supervises, and reviews the work of equipment technicians in the Fleet Services Center; trains staff in work procedures; evaluates employee performance, counsels employees, and effectively recommends initial disciplinary action; assists in selection and promotion.
- Participates in the development of goals, objectives, policies, and procedures for assigned services and programs; recommends and implements policies and procedures including standard operating procedures for assigned operations.
- Monitors activities of the equipment parts work unit; identifies opportunities for improving service delivery and procedures; provides recommendations concerning process changes; reviews with appropriate management staff; implements improvements.
- Coordinates assigned services and operations with other divisions and outside agencies.
- Participates in annual budget preparation; identifies resource needs; prepares detailed cost estimates with appropriate justifications; monitors expenditures.
- Provides staff assistance to management; prepares and presents staff reports and other written materials; supervises the establishment and maintenance of reports, records, and files; ensures the proper documentation of operations and activities.
- Answers questions and provides information to the public; investigates and responds to complaints and inquiries from citizens, other departments, and outside agencies; recommends corrective actions to resolve issues.



- Supervises preventive maintenance activities and repairs made to equipment, systems, components, and/or vehicles; oversees the execution of the preventive maintenance calendar for all fleet vehicles; oversees the proper maintenance of tools and shop equipment and facilities.
- Advises employees on methods of diagnosing and correcting complex repair problems; examines equipment to diagnose and determine extent of needed repairs.
- Processes work orders; verifies time worked, parts used, documentation, and/or other related activities.
- Coordinates and oversees the work of outside vendors.
- Locates and procures supplies, equipment, and parts utilized in daily operations; codes invoices from outside vendors; reviews work orders for accuracy.
- Supervises and coordinates the tire replacement program; monitors tire usage, orders tires, coordinates repairs with in-house staff or outside vendors, and performs other related activities.
- Prepares specifications for new equipment; monitors vendor compliance to specifications.
- Oversees fleet software program administration; communicates with software developer to modify program for issues concerning point of contact, adding, deleting, editing information, vehicle information, task creation, and adding employees to the database; creates various reports as needed.
- Coordinates the light vehicle accident program with the Risk Management division; reviews accident reports; takes pictures of damage; creates files on affected vehicles; communicates with body shop and insurance adjusters regarding repairs needed; keeps records of all accidents and uploads pictures of damage to subsequent work orders.
- Represents OCFA in meetings with members of other public and private organizations, community groups, contractors, developers, and the public.
- Ensures staff observe and comply with all OCFA and mandated safety rules, regulations, and protocols.
- Performs related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- Principles and practices of employee supervision, including work planning, assignment, review and evaluation, discipline, and the training of staff in work procedures.
- Principles and practices of leadership.
- Principles and techniques for working with groups and fostering effective team interaction to ensure teamwork is conducted smoothly.
- Basic principles and practices of budget administration and monitoring.
- Mechanical operation of equipment and apparatus used in firefighting and their use and limitations.
- Techniques and methods used in overhauling and repairing heavy gasoline and diesel-powered fire equipment and related components.
- Internal combustion engines.
- Preventive maintenance schedules and vehicle maintenance requirements.
- Fleet management systems.
- Principles, practices, methods, equipment, materials, and tools used in the maintenance and repair of gasoline and diesel-powered vehicles and equipment.
- Principles, practices, methods, equipment, materials, and tools used in the maintenance and repair of fire apparatus and equipment.
- Applicable Federal, State, and local laws, rules, regulations, and procedures relevant to assigned areas of responsibility.
- Principles and procedures of record keeping.

- OCFA and mandated safety rules, regulations, and protocols.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors, and OCFA staff.
- Modern equipment and communication tools used for business functions and program, project, and task coordination, including computers and software programs relevant to work performed.
- The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.

**Ability to:**

- Assist in developing and implementing goals, objectives, practices, policies, procedures, and work standards.
- Select and supervise staff, provide training and development opportunities, ensure work is performed effectively, and evaluate performance in an objective and positive manner.
- Understand, interpret, and apply all pertinent laws, codes, regulations, policies and procedures, and standards relevant to work performed.
- Identify problems, research, and analyze relevant information, and develop and present recommendations and justification for solutions.
- Diagnose and perform the most complex vehicle and equipment repair functions.
- Research, analyze, and evaluate new service delivery methods, procedures, and techniques.
- Make accurate arithmetic calculations.
- Respond to complaints or inquiries from citizens, staff, and outside organizations.
- Read, understand, and interpret blueprints, plans, and specifications.
- Prepare clear, effective, and accurate reports, correspondence, and other written materials.
- Maintain accurate logs, records, and written records of work performed.
- Independently organize work, set priorities, meet critical deadlines, and follow-up on assignments.
- Organize and prioritize a variety of projects and multiple tasks in an effective and timely manner; organize own work, set priorities, and meet critical time deadlines.
- Use tact, initiative, prudence, and independent judgment within general policy and procedural guidelines.
- Effectively use computer systems, software applications relevant to work performed, and modern business equipment to perform a variety of work tasks.
- Communicate clearly and concisely, both orally and in writing, using appropriate English grammar and syntax.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

**Education and Experience:**

*Any combination of training and experience that would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:*

Education:

- Equivalent to an associate degree from an accredited college or university with major coursework in automotive technology or a related field.

Experience:

- Five (5) years of increasingly responsible advanced journey-level repair and maintenance of light and heavy gasoline and diesel-powered equipment experience, preferably with fire apparatus, of which two (2) years should be in a supervisory or lead capacity.

### **Licenses and Certifications:**

- Possession of, or successful acquisition by time of appointment, a valid Class C California driver's license, to be maintained throughout employment.
- Possession of, or successful acquisition within six (6) months of appointment, a valid California Class B driver's license, with air brake, manual transmission, and tanker endorsements, to be maintained throughout employment.
- Possession of, or successful acquisition within six (6) months of appointment, a valid EPA 609 Air Conditioning certification, to be maintained throughout employment.

### **PHYSICAL DEMANDS**

Must possess mobility to work in a warehouse environment and in the field; strength, stamina, and mobility to perform medium to heavy physical work; to sit, stand, and walk on level, uneven, or slippery surfaces; frequently reach, twist, turn, kneel, bend, stoop, squat, crouch, grasp and make repetitive hand movement in the performance of daily duties; to climb and descend from fire apparatus and vehicles, to operate varied hand and power tools and construction equipment, and to operate a motor vehicle and visit various County sites; vision including color vision to inspect and operate equipment. The job involves fieldwork requiring frequent walking in operational areas. Finger dexterity is needed to operate and repair tools and equipment. Employees must possess the ability to lift, carry, push, and pull materials and objects averaging a weight of 50 pounds or heavier weights with the appropriate equipment on a frequent/occasional basis, in all cases with the use of proper equipment and/or assistance from other staff. Exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

Employees must wear and use the proper Personal Protective Equipment (PPE).

### **ENVIRONMENTAL CONDITIONS**

Employees primarily work in a maintenance shop and in the field and are exposed to loud and excessive noise levels, cold and hot temperatures, inclement weather conditions, road hazards, vibration, confining workspace, chemicals, mechanical and/or electrical hazards, grease, oils, solvents, vermin, insects, and parasites, biologic and infectious agents, hazardous physical substances and odors, fumes, dust and air contaminants, machinery with extremely hot surfaces and moving parts, moving objects or other vehicles, and work at heights using stationary and mobile ladders. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

### **WORKING CONDITIONS**

May be required to be on-call and to work various shifts or emergencies on evenings, weekends, and holidays. May travel to and from remote locations for incident assignments and may be required to stay in remote locations without accommodations.



**June 2020**  
**FLSA: Non-Exempt**

## **EQUIPMENT PARTS SPECIALIST**

### **DEFINITION**

Under general supervision, orders, receives, stores, issues, controls, and maintains an inventory of all automotive, fire, and heavy construction equipment parts and supplies, accessories, and related equipment; identifies and selects items for issue as requested by mechanics and fleet center personnel; stocks, rotates, and verifies inventories; and performs related duties as assigned.

### **SUPERVISION RECEIVED AND EXERCISED**

Receives general supervision from assigned lead, supervisory, and/or management staff. Exercises no direct supervision over staff.

### **CLASS CHARACTERISTICS**

The Equipment Parts Specialist is the first level in the two-level Equipment Parts Specialist series. This is the fully qualified journey-level classification in the Equipment Parts Specialist series. Positions at this level receive only occasional instruction or assistance as new or unusual situations arise and are fully aware of the operating procedures and policies of the work unit. This class is distinguished from the Senior Parts Equipment Specialist in that the latter performs the more complex work assigned to the series including providing technical and functional direction over less experienced staff.

### **EXAMPLES OF TYPICAL JOB FUNCTIONS (Illustrative Only)**

*Management reserves the right to add, modify, change, or rescind the work assignments of different positions, and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.*

- Orders, receives, stores, and issues parts, supplies, and accessories for automotive, fire, and heavy construction; and related equipment; establishes and maintains inventory levels; stores and arranges items to maintain a clean, unobstructed, and organized inventory storage area.
- Receives and inspects parts and supplies against invoices to ensure correct pricing, quantity, and quality; maintains invoice records to ensure payments are processed.
- Serves as a liaison with vendors and manufacturers to order parts, obtains special information, and processes purchase orders; notifies vendors of problems with incoming parts and supplies; contacts vendors regarding backorder status; posts charges to vendor contract accounts; submits warranty claims to vendors.
- Researches parts in order to replace and/or fabricate equipment; locates parts on all equipment types including forklifts, light and heavy-duty equipment, aircraft rescue, and firefighting.
- Transports parts, equipment, and personnel from site locations such as warehouses fire stations, business locations, and fire scenes.
- Performs computer input for inventory records, data storage, and retrieval; checks computer system for vendor compliance; prepares related reports.
- Operates a forklift, pallet jack, hand truck, overhead or jib crane, and other storeroom equipment.
- Maintain a variety of tools and equipment to ensure working capability.

- Prepare, complete, and maintain routine forms, documents, and reports.
- Performs related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- Principles and practices of parts, inventory management/control, purchasing, and customer service.
- Principles and practices of warehouse operations.
- Parts, tools, and equipment used in the maintenance and repair of gasoline and diesel-powered vehicles and equipment.
- Standard vehicle and equipment repair and maintenance procedures and terminology.
- Hand and power tools used in the course of work.
- Occupational hazards and safety equipment and practices related to the work.
- Authority and mandated safety rules, regulations, and protocols.
- Basic principles and procedures of record-keeping and reporting.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors, and Authority staff.
- The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
- Modern equipment and communication tools used for business functions and program, project, and task coordination, including computers and software programs relevant to work performed.

### **Ability to:**

- Track and maintain warehouse inventory.
- Order, receive, store, and issue parts and supplies.
- Determine similar parts, supplies, and materials which are identified by different names by manufacturers.
- Effectively and ethically work with vendors in pricing and securing parts and supplies.
- Inspect incoming parts and supplies.
- Maintain accurate records and prepare reports.
- Process material requests.
- Lift, carry, and store heavy items safely.
- Operate a forklift, pallet jack, hand truck, overhead or jib crane, and other storeroom equipment.
- Understand and follow oral and written instructions.
- Make accurate arithmetic calculations.
- Safely and effectively use and operate hand and power tools.
- Understand, interpret, and apply all pertinent laws, codes, regulations, policies and procedures, and standards relevant to work performed.
- Independently organize work, set priorities, meet critical deadlines, and follow-up on assignments.
- Use tact, initiative, prudence, and independent judgment within general policy, procedural, and legal guidelines.
- Effectively use computer systems, software applications relevant to work performed, and modern business equipment to perform a variety of work tasks.
- Communicate clearly and concisely, both orally and in writing, using appropriate English grammar and syntax.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

**Education and Experience:**

*Any combination of training and experience that would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:*

**Education:**

- Equivalent to completion of the twelfth (12<sup>th</sup>) grade.

**Experience:**

- One (1) year of experience in processing parts, equipment, and supplies in an automotive, construction, or related industry.

**Licenses and Certifications:**

- Possession of, or successful acquisition by time of appointment, a valid Class C California driver's license, to be maintained throughout employment.
- Possession, of, or successful acquisition within nine (9) months of appointment, a valid Class B California driver's license to be maintained throughout employment.
- Possession, of, or successful acquisition within six (6) months of appointment, a valid Forklift operator certification, to be maintained throughout employment.

**PHYSICAL DEMANDS**

Must possess mobility to work in a warehouse environment; strength, stamina, and mobility to perform medium to heavy physical work; to sit, stand, and walk on level, uneven, or slippery surfaces; frequently reach, twist, turn, kneel, bend, stoop, squat, crouch, grasp and make repetitive hand movement in the performance of daily duties; to climb and descend from fire apparatus, vehicles, and ladders; to operate varied hand and power tools and construction equipment, and to operate department vehicles and equipment, and visit various County sites; vision including color vision to understand warning lights. Finger dexterity is needed to operate and repair equipment. Employees must possess the ability to lift, carry, push, and pull materials and engage in very heavy work exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects with the appropriate equipment, in all cases with the use of proper equipment and/or assistance from other staff.

**ENVIRONMENTAL CONDITIONS**

Employees primarily work in a warehouse environment with moderate noise levels and controlled temperature conditions. Employees are occasionally exposed to loud and excessive noise levels, outdoor weather conditions, vibration, chemicals, mechanical and/or electrical hazards, hazardous physical substances and odors, fumes, dust, and air contaminants, moving objects or other vehicles, and work at heights using stationary and mobile ladders. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

**WORKING CONDITIONS**

N/A



**June 2020**  
**FLSA: Non-Exempt**

## **SENIOR EQUIPMENT PARTS SPECIALIST**

### **DEFINITION**

Under general supervision, provides lead direction to parts department staff; orders, receives, stores, issues, controls, and maintains an inventory of automotive, fire, and heavy construction equipment parts and supplies, accessories, and related equipment; evaluates bid documents and purchase orders; researches specialized parts and equipment; identifies and selects items for issue as requested by mechanics and fleet center personnel; stocks, rotates, and verifies inventories; and performs related duties as assigned.

### **SUPERVISION RECEIVED AND EXERCISED**

Receives general supervision from supervisory and/or management staff. Exercises technical and functional direction over and provides training to less experienced staff.

### **CLASS CHARACTERISTICS**

The Senior Equipment Parts Specialist is the second level in a two-level Equipment Parts Specialist series. This is the advanced-level classification in the Equipment Parts Specialist series responsible for performing the most complex work assigned to the series. Incumbents regularly work on tasks which are varied and complex, requiring considerable discretion and independent judgment. Positions in the classification rely on experience and judgement to perform assigned duties. Assignments are given with general guidelines and incumbents are responsible for establishing objectives, timelines, and methods to deliver services. Work is typically reviewed upon completion for soundness, appropriateness, and conformity to policy and requirements.

### **EXAMPLES OF TYPICAL JOB FUNCTIONS (Illustrative Only)**

*Management reserves the right to add, modify, change, or rescind the work assignments of different positions, and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.*

- Provides lead direction and training to less experienced employees in the Parts Department including inventory and stock management, established work practices, and policies and procedures; prioritizes and assigns work, conducts performance evaluations, hiring, termination, and disciplinary recommendations.
- Inputs part invoices, part slips, purchase orders, and vendors into a computerized inventory system to facilitate work order completion and provide information for reports, lists, and vehicle information; prepares related reports.
- Monitors the ordering of parts and supplies, ensuring proper inventory levels; estimates parts usage and tracks actual/current parts levels; maps inventory levels of parts, batteries, oils, and other items in the fleet system.
- Determines best price available consistent with quality; issues purchase orders to vendors electronically or by telephone and personal contact; evaluates bid documents.
- Orders, receives, stores, and issues parts, supplies, and accessories for automotive, fire, and heavy construction and related equipment; monitors the storing and arranging of items to maintain a clean, unobstructed, and organized inventory storage area.

- Receives and inspects parts and supplies against invoices to ensure correct pricing, quantity, and quality; maintains invoice records to ensure payments are processed.
- Serves as a liaison with vendors and manufacturers to order parts; obtains special information and processes purchase orders; notifies vendors of problems with incoming parts and supplies; contacts vendors regarding backorder status; post charges to vendor contract accounts; submits warranty claims to vendors.
- Locates and retrieves parts and equipment, from site locations such as warehouses and fire stations; provides to transportation to District staff as needed.
- Tracks credit card purchases and reconciles invoices against credit card statements.
- Researches parts in order to replace and/or fabricate equipment; locates parts on equipment and vehicles including forklifts, light and heavy-duty equipment, aircraft rescue, and firefighting equipment.
- Performs computer input for inventory records, data storage, and retrieval; checks computer system for vendor compliance; prepares related reports.
- Operates a forklift, pallet jack, hand truck, overhead or jib crane, and other storeroom equipment; lifts heavy materials and supplies.
- Maintains a variety of tools and equipment to ensure working capability.
- Prepares, completes, and maintains routine forms, documents, and reports.
- Performs related duties as assigned.

## **QUALIFICATIONS**

### **Knowledge of:**

- Principles of providing functional direction and training.
- Principles and practices of ordering and organizing parts and inventory management and control.
- Principles and practices of purchasing.
- Principles and practices of warehouse operations.
- Storekeeping and purchasing terminology.
- Parts, tools, and equipment used in the maintenance and repair of gasoline and diesel-powered vehicles and equipment.
- Principles, practices, methods, equipment, materials, and tools used in the maintenance and repair of fire apparatus and equipment.
- Hand and power tools used in the course of work.
- Occupational hazards and safety equipment and practices related to the work.
- Authority and mandated safety rules, regulations, and protocols.
- Business arithmetic.
- Principles and procedures of record-keeping and reporting.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors, and Authority staff.
- The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
- Modern equipment and communication tools used for business functions and program, project, and task coordination, including computers and software programs relevant to work performed.



**Ability to:**

- Plan, organize, and coordinate the work of assigned staff.
- Effectively provide staff leadership and work direction.
- Track and maintain warehouse inventory.
- Order, receive, store, and issue parts and supplies.
- Locate and order specialized and difficult to locate parts and materials.
- Determine similar parts, supplies, and materials offered by various manufacturers.
- Effectively and ethically work with vendors in pricing and securing parts and supplies.
- Inspect incoming parts and supplies.
- Maintain accurate records and prepare reports.
- Process material requests.
- Operate a forklift, pallet jack, hand truck, overhead or jib crane, and other storeroom equipment.
- Understand and follow oral and written instructions.
- Make accurate arithmetic calculations.
- Safely and effectively use and operate hand and power tools.
- Understand, interpret, and apply all pertinent laws, codes, regulations, policies and procedures, and standards relevant to work performed.
- Independently organize work, set priorities, meet critical deadlines, and follow-up on assignments.
- Use tact, initiative, prudence, and independent judgment within general policy, procedural, and legal guidelines.
- Effectively use computer systems, software applications relevant to work performed, and modern business equipment to perform a variety of work tasks.
- Communicate clearly and concisely, both orally and in writing, using appropriate English grammar and syntax.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

**Education and Experience:**

*Any combination of training and experience that would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:*

Education:

- Equivalent to completion of the twelfth (12<sup>th</sup>) grade.

Experience:

- Three (3) years of experience performing procurement, storage inventory tracking, and issuance of replacement parts, equipment, supplies, and accessories similar to work performed by an Equipment Parts Specialist with the OCFA or other fire agency.

**Licenses and Certifications:**

- Possession of, or successful acquisition by time of appointment, a valid Class C California driver's license, to be maintained throughout employment.
- Possession of, or successful acquisition by time of appointment, a valid Class B California driver's license, to be maintained throughout employment.
- Possession of, or successful acquisition within six (6) months of appointment, a valid Forklift operator certification, to be maintained throughout employment.

### **PHYSICAL DEMANDS**

Must possess mobility to work in a warehouse environment; strength, stamina, and mobility to perform medium to heavy physical work; to sit, stand, and walk on level, uneven, or slippery surfaces; frequently reach, twist, turn, kneel, bend, stoop, squat, crouch, grasp and make repetitive hand movement in the performance of daily duties; to climb and descend from fire apparatus, vehicles, and ladders; to operate varied hand and power tools and construction equipment, and to operate department vehicles and equipment, and visit various County sites; vision including color vision to understand warning lights. Finger dexterity is needed to operate and repair equipment. Employees must possess the ability to lift, carry, push, and pull materials and objects averaging a weight of 50pounds or heavier weights with the appropriate equipment on a frequent/occasional basis, in all cases with the use of proper equipment and/or assistance from other staff.

### **ENVIRONMENTAL CONDITIONS**

Employees primarily work in a warehouse environment with moderate noise levels and controlled temperature conditions. Employees are occasionally exposed to loud and excessive noise levels, outdoor weather conditions, vibration, chemicals, mechanical and/or electrical hazards, hazardous physical substances and odors, fumes, dust, and air contaminants, moving objects or other vehicles, and work at heights using stationary and mobile ladders. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

### **WORKING CONDITIONS**

N/A



**June 2020**  
**FLSA: Non-Exempt**

## **COMMUNICATIONS INSTALLER I/II**

### **DEFINITION**

Under immediate (Communications Installer I) to general (Communications Installer II) supervision, performs basic installations of communications equipment on fire apparatus including radios, mobile data terminal, wiring equipment, lighting, and sirens; receives, stores, and issues a variety of parts, materials, and equipment for fire apparatus and other vehicles; maintains inventories and documentation using computer based systems; fabricates basic brackets and mounts; and performs related duties as assigned.

### **SUPERVISION RECEIVED AND EXERCISED**

Receives immediate (Communications Installer I) to general (Communications Installer II) supervision from assigned supervisory and/or management staff. Exercises no direct supervision over staff.

### **CLASS CHARACTERISTICS**

Communications Installer I – The Communications Installer I is the first level in the two-level Communications Installer series and is part of the broader five level Communications Technical series. Initially under close supervision, incumbents learn and perform routine duties in the Logistics/Communications Division including basic installation of communications equipment, receiving, storing, and issuing a variety of parts, materials, and equipment for fire apparatus and other vehicles. As experience is gained, assignments become more varied, complex, and difficult; close supervision and frequent review of work lessen as an incumbent demonstrates skill to perform the work independently. Positions at this level usually perform most of the duties required of the positions at the Communications Installer II level but are not expected to function at the same skill level, and usually exercise less independent discretion and judgment in matters related to work procedures and methods. Work is usually supervised while in progress and fits an established structure or pattern. Exceptions or changes in procedures are explained in detail as they arise.

Communications Installer II – The Communications Installer II is the second level in the two-level Communications Installer series and is part of the broader five level Communications Technical series. This is the fully qualified journey-level classification in the Communications Installer series. Positions at this level are distinguished from the Communications Installer I level by the performance of the full range of duties as assigned, working independently, and exercising judgment and initiative. Positions at this level receive only occasional instruction or assistance as new or unusual situations arise and are fully aware of the operating procedures and policies of the work unit. This class is distinguished from the Communication Services Supervisor in that the latter performs full supervisory duties and supervises lower level staff.

Positions in the Communications Installer class series are flexibly staffed; positions at the Communications Installer II level are normally filled by advancement from the Communications Installer I level; progression to the Communications Installer II level is dependent on (i) management affirmation that the position is performing the full range of duties assigned to the classification; (ii) satisfactory work performance; (iii) the incumbent meeting the minimum qualifications for the classification including any licenses and certifications; and (iv) management approval for progression to the Communications Installer II level.

### **EXAMPLES OF TYPICAL JOB FUNCTIONS (Illustrative Only)**

*Management reserves the right to add, modify, change, or rescind the work assignments of different positions, and to make reasonable accommodations so that qualified employees can perform the essential functions of the job.*

*Positions at the Communications Installer I level may perform some of these duties and responsibilities in a learning capacity.*

- Installs and modifies mobile and fixed communications equipment including radios, wiring equipment, lighting, and sirens on fire apparatus and other vehicles and equipment.
- Receives rough fabricated parts and prepares them for final finish by sanding, deburring, drilling holes, filing and other methods as needed.
- Utilizes applicable technical manuals and schematic drawings to assist in installation, servicing, repair, and replacement services and activities.
- Tracks and records equipment orders; sorts and places inventory in storage areas, shelves, or bins as required; inputs and retrieves inventory data using a computer workstation or mobile device; verifies information on computer-generated documents; assigns asset tags as required.
- Operates hand and power tools and other related equipment; performs communications equipment troubleshooting.
- Delivers and picks up communications equipment from various vendors.
- Maintains work, time, and material records.
- Performs related duties as assigned.

### **QUALIFICATIONS**

#### **Knowledge of:**

- Operational characteristics of electrical and electronic components used in modern vehicles and equipment.
- Communications mounting techniques for fire apparatus and other vehicles.
- Hand and power tools used in the course of work.
- Methods, materials, equipment, and tools used in basic fabrication.
- Occupational hazards and safety equipment and practices related to the work.
- Methods and procedures involved in the maintenance of accurate inventory records.
- Inventory control methods and techniques.
- Proper methods of receiving and storing a variety of supplies; lifting and carrying techniques.
- Principles and procedures of record-keeping and reporting.
- Authority and mandated safety rules, regulations, and protocols.
- Orange County geography and street layout.
- Safe driving practices and techniques; applicable California Vehicle Codes.
- GPS for driving purposes.
- Basic principles and procedures of record-keeping and reporting.
- Techniques for providing a high level of customer service by effectively dealing with the public, vendors, contractors, and Authority staff.
- The structure and content of the English language, including the meaning and spelling of words, rules of composition, and grammar.
- Modern equipment and communication tools used for business functions and program, project, and task coordination, including computers and software programs relevant to work performed.

**Ability to:**

- Maintain an accurate inventory and record-keeping system; maintain perpetual inventory records to ensure adequate stock on hand.
- Read, interpret, and apply a wide variety of technical information from manuals, drawings, specifications, layouts, and schematics.
- Install mobile and fixed communication equipment.
- Maintain accurate logs, records, and basic written records of work performed.
- Understand and follow oral and written instructions.
- Make accurate arithmetic calculations.
- Safely and effectively use and operate hand and power tools.
- Drive vehicles in a safe and effective manner.
- Read and follow maps and/or use GPS to determine best routes.
- Load and unload a variety of items.
- Understand, interpret, and apply all pertinent laws, codes, regulations, policies and procedures, and standards relevant to work performed.
- Independently organize work, set priorities, meet critical deadlines, and follow-up on assignments.
- Use tact, initiative, prudence, and independent judgment within general policy, procedural, and legal guidelines.
- Effectively use computer systems, software applications relevant to work performed, and modern business equipment to perform a variety of work tasks.
- Communicate clearly and concisely, both orally and in writing, using appropriate English grammar and syntax.
- Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

**Education and Experience:**

*Any combination of training and experience that would provide the required knowledge, skills, and abilities is qualifying. A typical way to obtain the required qualifications would be:*

Education:

- Communications Installer I/II - Equivalent to completion of the twelfth (12<sup>th</sup>) grade supplemented by vocational training in automotive or electronics communications.

Experience:

- Communications Installer I – One (1) year of automotive or electronics communications repair experience.
- Communications Installer II – Two (2) years of experience performing duties similar to a Communications Installer I with the OCFA or other fire agency.

**Licenses and Certifications:**

- Possession of, or successful acquisition by time of appointment, a valid Class C California driver's license, to be maintained throughout employment.

### **PHYSICAL DEMANDS**

Depending on assignment, must possess mobility to work in a warehouse environment and in the field; strength, stamina, and mobility to perform light to medium physical work; to sit, stand, and walk on level, uneven, or slippery surfaces; frequently reach, twist, turn, kneel, bend, stoop, squat, crouch, grasp and make repetitive hand movement in the performance of daily duties; to climb and descend from ladders to reach shelving, and to operate a motor vehicle and visit various County sites; vision including color vision to inspect supplies, detect wiring, and operate equipment. The job involves fieldwork requiring frequent walking in operational areas and driving to various County sites. Finger dexterity is needed to operate equipment. Employees must possess the ability to lift, carry, push, and pull materials and objects averaging a weight of 50 pounds or heavier weights with the appropriate equipment on a frequent/occasional basis, in all cases with the use of proper equipment and/or assistance from other staff.

### **ENVIRONMENTAL CONDITIONS**

Employees primarily work in a maintenance shop and in the field and are exposed to loud and excessive noise levels, cold and hot temperatures, inclement weather conditions, road hazards, vibration, confining workspace, chemicals, mechanical and/or electrical hazards, grease, oils, solvents, vermin, insects, and parasites, biologic and infectious agents, hazardous physical substances and odors, fumes, dust and air contaminants, machinery with extremely hot surfaces and moving parts, moving objects or other vehicles, and work at heights using stationary and mobile ladders. Employees may interact with upset staff and/or public and private representatives in interpreting and enforcing departmental policies and procedures.

### **WORKING CONDITIONS**

May be required to be on-call and to work various shifts or emergencies on evenings, weekends, and holidays.



## Orange County Fire Authority **AGENDA STAFF REPORT**

Executive Committee Meeting  
May 27, 2021

Agenda Item No. 2E  
Consent Calendar

### **Award of RFP JA2487 Purchase of Freightliner Cascadia Box Truck**

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#### **Contact(s) for Further Information**

Jim Ruane, Assistant Chief  
Logistics Department

[jimruane@ocfa.org](mailto:jimruane@ocfa.org)

714.573.6801

Vince Carpino, Division Chief  
Special Operations Department

[vincentcarpino@ocfa.org](mailto:vincentcarpino@ocfa.org)

714.573.6761

Steve Dohman, Battalion Chief  
Urban Search & Rescue Program Manager

[stevedohman@ocfa.org](mailto:stevedohman@ocfa.org)

949-396-8106

#### **Summary**

This agenda item is submitted for the approval to purchase one Freightliner Cascadia Box Truck from Los Angeles Truck Centers, LLC, the number one ranked firm responding to Request for Proposal JA2487.

#### **Prior Board/Committee Action(s)**

Not Applicable.

#### **RECOMMENDED ACTION(S)**

Approve and authorize the Purchasing Manager to execute a Master Agreement with Los Angeles Truck Centers, LLC for the purchase of one Freightliner Cascadia box truck in an amount not to exceed \$262,106.76.

#### **Impact to Cities/County**

Not Applicable.

#### **Fiscal Impact**

Funding for the purchase of one Freightliner Cascadia box truck is available utilizing two funding sources. The primary funding source of \$217,106.76 will come from FEMA Urban Search and Rescue (US&R) 2019 Cooperative Agreement Funding. The remaining \$45,000 is available in Fund 133, Fire Apparatus CIP, as a result of below budget bid results for this year's purchase of replacement light-duty pickup trucks (11 units).

#### **Background**

This vehicle is being purchased to replace a 2004 Freightliner Columbia box truck; one of twelve response vehicles used by California Task Force Five (CA-TF5). This vehicle's primary role is to respond within the Continental United States to natural and man-made disasters, transporting the task force equipment cache. CA-TF5 maintains a response capability that includes apparatus and equipment supply inventory valued at approximately \$8 million. There is also a personnel cadre of over 220 members comprised of firefighters from the participating agencies of Anaheim, Orange and the OCFA, civilian structural engineers, physicians, as well as disaster search canines.

This vehicle is approved by the FEMA program office for replacement based on Federal vehicle replacement standards and our own department policy based on age and mileage. Additionally, one of the primary reasons we are replacing this vehicle is due to its standard cab build. This is our only Heavy (Class A Vehicle) that does not have a sleeper cab for long haul/duration driving. This is a major safety issue for our drivers when driving cross-country due to not having appropriate sleeping accommodations. Based on these guidelines and safety concerns, replacement of this vehicle has been a priority of the Task Force for several years. Prior to replacement, the option of having a sleeper compartment added to the current vehicle was considered, but ultimately dismissed as being a cost prohibitive and impractical solution.

Although the vehicle no longer meets the criteria for serving as a front-line long-range Task Force equipment transport, the truck's moderate mileage (approximately 30,000) makes it well suited for use by the OCFA Logistics section. As a reserve unit, the truck would function as a backup for front line units, including the technical rescue, heavy rescue, and hazmat support trucks while out for service or on an extended duration major incident.

### ***Solicitation Process***

On March 3, 2021, staff issued RFP JA2487 requesting proposals for the purchase of one box truck in compliance with the Federal requirements for FEMA grant-funded purchases. A non-mandatory pre-proposal meeting was held on March 31, 2021, and representatives from two companies attended. Final proposals were due on April 14, 2021, and one proposal was received. An evaluation team consisting of one Fleet Services staff member and three US&R staff members evaluated the proposal based on the criteria and point structure as defined in the RFP: statement of qualifications & experience (15 pts), ability to meet the specifications (50 pts), and proposed costs (35 pts). Upon completion of the proposal evaluation, it was determined that the proposal from Los Angeles Truck Centers met all the requirements and was scored highly by the evaluation committee. Pursuant to the terms of the RFP, staff requested a Best and Final Offer (BAFO) from Los Angeles Truck Centers. Although Los Angeles Truck Centers was the only offeror, staff confirmed that the pricing offered was reasonable, being lower than pricing offered through a nationally available cooperative purchasing program.

### ***Recommendation***

The Board of Directors approves fixed asset purchases with the adoption of the annual budget, however the Executive Committee must also approve when the total amount exceeds the budgeted amount by 15% or \$100,000. While there are sufficient funds available for award of the Freightliner Cascadia Box Truck purchase for the Urban Search & Rescue team, this vehicle was not specifically identified within the budget, and is therefore being brought to the Executive Committee for approval.

Based on the results of the RFP, staff recommends awarding the Master Agreement to Los Angeles Truck Centers, LLC for the purchase of one 2022 Freightliner Cascadia Box Truck in an amount of \$262,106.76.

### ***Attachment(s)***

Master Agreement on file with the Clerk's office



**ORANGE COUNTY FIRE AUTHORITY  
MASTER AGREEMENT  
FOR FREIGHTLINER CASCADIA**

THIS AGREEMENT ("Agreement") for purchase of one (1) new Freightliner Cascadia or approved equivalent, is made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2021 ("Effective Date"), by and between the Orange County Fire Authority, a California Joint Powers Authority ("OCFA"), and Los Angeles Truck Center, LLC ("Contractor"). OCFA and Contractor are sometimes hereinafter individually referred to as "Party" and collectively as the "Parties".

**RECITALS**

WHEREAS, OCFA requires one (1) new Freightliner Cascadia or approved equivalent as requested in RFP JA2487, hereinafter referred to as "Project"; and

WHEREAS, Contractor has submitted to OCFA a proposal dated April 12, 2021, incorporated herein by this reference ("Proposal"); and

WHEREAS, OCFA and Contractor desire to enter into this Agreement in order to receive and provide, respectively, one (1) new Freightliner Cascadia or approved equivalent on the same terms, conditions, and pricing as further set forth in Section 1.1 of this Agreement;

**AGREEMENT**

NOW THEREFORE, OCFA and Contractor mutually agree as follows:

**SECTION ONE**

**1.1 Scope of Agreement.** In compliance with all terms and conditions of this Agreement, OCFA shall procure one (1) new Freightliner Cascadia or approved equivalent from Contractor as more fully detailed in Exhibit "A", attached hereto, which includes by reference and by addendum: (1) OCFA's RFP JA2487, dated March 17, 2021 ("Solicitation"), (2) Contractor's Proposal, as modified by Contractor's Best and Final Offer dated May 4, 2021, and (3) any amendments, addendums, change orders, or modifications mutually agreed upon by the Parties hereto ("Services", "Goods" or "Work"). In the event of any inconsistency between the terms contained in "Exhibit A", and/or the terms set forth in the main body of this Agreement, the terms set forth in the main body of this Agreement and then Exhibit "A" shall govern, in that order.

**1.2 Term.** This Agreement shall commence on the Effective Date, and continue in full force and effect for one (1) year, unless earlier terminated in accordance with Section 3.8 of this Agreement. The Agreement may be renewed on the same terms and conditions for up to four (4) additional one-year terms upon mutual written agreement between OCFA and Contractor.

**1.3 Compensation and Payment.** For the Goods or Services rendered pursuant to this Agreement, Contractor shall be compensated and reimbursed, in accordance with the pricing set forth in Exhibit "B," attached hereto.

**1.4 Contractor's Representative.** The following principal of Contractor is hereby designated as being the principal and representative of Contractor authorized to act in its behalf with respect to the work specified herein and make all decisions in connection therewith: **James Blakely, Fleet and Government Sales**. The foregoing principal shall be responsible during the term of this Agreement for directing all activities of Contractor and devoting sufficient time to personally supervise the work hereunder. The foregoing principal may not be changed by Contractor without the express written approval of OCFA

**1.5 Contract Administrator.** The Contract Administrator shall be **Kevin Berghaus, Fleet Manager**, unless otherwise designated in writing by OCFA. It shall be Contractor's responsibility to keep the Contract Administrator fully informed of the progress of the provision of the Goods or Services and Contractor shall refer any decisions that must be made by OCFA to the Contract Administrator. Unless otherwise specified herein, any approval of OCFA required hereunder shall mean the approval of the Contract Administrator.

**1.6 Notices.** Any notice, demand, request, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and either served personally or sent by pre-paid, first-class mail to the address set forth below. Either party may change its address by notifying the other party of the change of address in writing. Notice shall be deemed communicated forty-eight (48) hours from the time of mailing if mailed as provided in this Section.

Orange County Fire Authority  
Attention: Sara Kennedy, Purchasing  
Manager  
1 Fire Authority Road  
Irvine, CA 92602

**WITH COPY TO:**  
David E. Kendig, General Counsel  
Woodruff, Spradlin & Smart  
555 Anton Blvd. Suite 1200  
Costa Mesa, CA 92626

To Contractor:

Los Angeles Truck Centers, LLC  
Attention: James Blakely  
2429 S. Peck Rd  
Whittier, CA 90601

## **SECTION TWO**

**2.1 Orders.** The Contractor shall receive a written Purchase Order requests on an as-needed basis for items on this Agreement, subject to the terms, conditions, and pricing listed herein. The Contractor shall be responsible for confirming specifications, quantities, and pricing with the Contract Administrator prior to order entry/delivery.

Orders may be placed at any time during the term of the Agreement even if delivery may not be made until after the expiration of the Agreement. Order dates take precedence over delivery dates. The Contractor must clearly identify the order date on all invoices to OCFA.

**2.2 Substitutions.** The Contractor is required to meet all specifications and requirements contained herein. No substitutions will be accepted without prior OCFA written approval.

**2.3 Delivery.** Time of delivery is of the essence in this Agreement. The vehicle and any equipment described within the specifications shall be completed and delivered to the OCFA, within the timeframe specified in the specifications or as quoted by the contractor, whichever is sooner. The vehicle will be delivered clean, full of fuel, Diesel Exhaust Fluid, DPF, clean and free of evidence of road travel, serviced and ready for immediate service. OCFA reserves the right to refuse any vehicle or equipment and to cancel all or any part of the vehicle or equipment not conforming to the specifications, as set forth in Exhibit "A". Acceptance of any part of the order shall not bind OCFA to accept future shipments nor deprive it of the right to return equipment already accepted at Contractor's expense. Delivery shall not be deemed to be complete until all vehicles and equipment have actually been received and accepted by OCFA.

The contractor acknowledges and agrees that any delay would seriously affect the public welfare and the operations of the OCFA and that it is extremely difficult to ascertain and determine actual damages for such delay. Therefore, it is agreed that the contractor shall become liable to the OCFA for liquidated damages in the sum of one hundred dollars (\$100) for each and every calendar day in excess of the date specified for delivery for each unit not delivered as scheduled.

**2.4 Freight (F.O.B. Destination).** Contractor assumes full responsibility for all transportation, transportation scheduling, packing, handling, insurance, and other services associated with delivery of all Goods deemed necessary under this Agreement.

**2.5 Taxes.** OCFA is subject to applicable sales and use tax. Unless otherwise provided herein or by law, prices do not include applicable sales or use tax. Sales tax will be paid directly to the state of California if not collected by the Contractor.

**2.6 Acceptance.** Unless otherwise agreed to in writing by OCFA: 1) acceptance shall not be deemed complete unless in writing and until all the Goods or Services have actually been received, inspected, and tested to the satisfaction of OCFA, and 2) payment shall be made in arrears after satisfactory acceptance.

**2.7 Payment.** In any month in which Contractor wishes to receive payment, Contractor shall no later than the first working day of such month, submit to OCFA an invoice for Goods provided and Services rendered prior to the date of the invoice. Invoices should be sent by electronic mail to:

**Orange County Fire Authority, Accounts Payable**  
[ap@ocfa.org](mailto:ap@ocfa.org)

OCFA shall pay Contractor for all expenses stated thereon which are approved by OCFA consistent with this Agreement, within thirty (30) days of receipt of Contractor's invoice. Partial payments are authorized for partial shipments with signature approval.

**2.8 Usage.** No guarantee is given by OCFA to Contractor regarding usage of this Agreement. Future purchases are dependent on availability of an appropriation in the OCFA's budget. The Contractor agrees to supply the vehicle and equipment requested, as needed by OCFA, at prices listed in Exhibit "B", attached hereto, regardless of quantity requested.

Contractor acknowledges that this Agreement is subject to and contingent upon funds being appropriated therefore by the OCFA Board of Directors for each fiscal year covered by the Agreement. If such appropriations are not made, or are otherwise limited, OCFA may immediately terminate or modify this Agreement without penalty.

**2.9 Disaster/Emergency Incident Requirements.** In the event of a disaster or emergency incident, this Agreement may be subject to extraordinary usage. The Contractor shall service OCFA during such a disaster or emergency incident under the same terms and conditions that apply during non-emergency conditions. The pricing set forth in the Exhibit "B" shall apply to serving OCFA's needs regardless of the circumstances. If Contractor is unable to supply the Goods or Services under the terms of the Contract, then upon request from OCFA, Contractor shall provide proof of such disruption and a copy of the invoice for the Goods or Services from Contractor's supplier(s). Additional profit margin as a result of supplying Goods or Services during a disaster or emergency incident shall not be permitted.

**2.10 Provision of Additional Vehicles or Equipment.** Contractor shall provide Vehicles or Equipment in addition to those specified in Exhibit "A" when directed to do so in writing by the Purchasing Manager or designee, hereinafter "the Purchasing Manager", provided that Contractor shall not be required to provide any additional Vehicles or Equipment without compensation. Additional compensation in an amount within management authority must be approved in writing by the Purchasing Manager. Any greater increase must be approved in writing by the Executive Committee of the OCFA Board of Directors. In the event any change or changes to the Vehicles or Equipment is requested by OCFA, the parties hereto shall execute an addendum to this Agreement, setting forth with particularity all terms of such addendum, including, but not limited to, any additional fees.

**2.11 Reports/Meetings.** As required by the Contract Administrator, the Contractor shall develop reports and any other relevant documents necessary to complete the requirements set forth in this Agreement. The OCFA's Contract Administrator and Contractor's Representative will meet on reasonable notice to discuss Contractor's performance and progress under this Agreement. If requested, Contractor's Representative and other project personnel shall attend all meetings. The Contractor shall provide such information that is requested by OCFA for the purpose of monitoring progress under this Agreement.

**2.12 Records.** Contractor shall keep such books and records as shall be necessary to properly provide the Vehicles and Equipment required by this Agreement and enable the Contract Administrator to evaluate the performance of such requirements. The Contract Administrator shall have full and free access to such books and records at all reasonable times, including the right to inspect, copy, audit and make records and transcripts from such records.

**2.13 Performance.** Contractor shall perform all work under this Contract, taking necessary steps and precautions to perform the work to the reasonable satisfaction of OCFA. Contractor shall be responsible for the quality, technical assurance, timely completion and coordination of all documentation furnished by Contractor under this Agreement. Contractor shall perform all work diligently, carefully, and in a good and workman-like manner; shall furnish all labor, supervision, machinery, equipment, materials, and supplies necessary therefore and, if permitted to subcontract, shall be fully responsible for all work performed by subcontractors.

Contractor shall adopt and follow reasonable procedures and methods during the term of the Agreement to prevent loss or damage to materials, papers or other components of the work, and shall be responsible for all such damage until acceptance of the work by OCFA, except such loss or damages as may be caused by OCFA's own negligence.

**2.14 Time for Completion.** All Vehicles and Equipment rendered pursuant to this Agreement shall be performed within the time periods prescribed in Exhibit "A". The extension of any time period specified must be approved in writing by the Contract Administrator.

**2.15 Contractor Personnel.** If providing services, the Contractor warrants that it and all employees, subconsultants and subcontractors providing any Services pursuant to this Agreement shall have a sufficient skill and experience to perform the Services.

If required in Exhibit "A", all Contractor's employees shall wear uniforms, badges, or other means of identification at all times while on OCFA property. If requested, the Contract Administrator must be notified of the means of identification to be worn by employees prior to beginning work and notified seven days prior to any changes in identification.

**2.16 Conflict of Interest – Contractor's Personnel.** The Contractor shall exercise reasonable care and diligence to prevent any actions or conditions that could result in a conflict with the best interests of OCFA. This obligation shall apply to the Contractor; Contractor's employees, agents, and relatives; sub-tier Contractors; and third-parties associated with providing Goods or Services hereunder. The Contractor's efforts shall include, but not be limited to establishing precautions to prevent its employees or agents from making, receiving, providing or offering gifts, entertainment, payments, loans or other considerations which could be deemed to appear to influence individuals to act contrary to the best interests of OCFA.

Further, the Contractor warrants that no gratuities in the form of entertainment, gifts or otherwise were offered or given by Contractor or any agent or representative of Contractor to any officer or employee of OCFA with a view toward securing the Agreement or securing favorable treatment with respect to any determinations concerning the performance of the Agreement. For breach or violation of this warranty, OCFA shall have the right to terminate the Agreement, either in whole or in part.

**2.17 Conflict of Interest – OCFA Personnel.** The OCFA General Order 06 prohibits its employees from engaging in activities involving a conflict of interest. The Contractor shall not, during the period of this Agreement, employ any OCFA employee for any purpose.

**2.18 Confidentiality.** Information obtained by Contractor in the performance of this Agreement shall be treated as strictly confidential and shall not be used by Contractor for any purpose other than the performance of this Agreement without the written consent of OCFA.

**2.19 News/Information Release.** The Contractor agrees that it will not issue any news releases in connection with either the award of this Agreement or any subsequent amendment of or effort under this agreement without first obtaining review and written approval of said news releases from OCFA through OCFA's Communications Director.

**2.20 Licenses and Permits.** Contractor shall obtain at its sole cost and expense such licenses, permits and approvals as may be required by law to provide the Goods or Services required by this Agreement.

**2.21 Sub-Contracting.** The Contractor shall not contract with any other entity to provide in whole or in part the Vehicle or Equipment required hereunder without the express written approval of the Purchasing Manager. If Contractor is authorized to subcontract any part of the work specified herein, Contractor shall be responsible to OCFA for the acts and omissions of its subcontractor(s) and subconsultant(s) in the same manner as it is for persons directly employed. For purposes of this Agreement, all persons engaged in the provision of Goods or Services will be considered employees of Contractor. OCFA will deal directly with and will make all payments to Contractor. Nothing contained in this Agreement shall create any contractual relationships between any subcontractor and OCFA. Contractor shall ensure that all subcontractors maintain insurance in accordance with the requirements set forth herein are complied with prior to commencement of work by each subcontractor.

**2.22 Withholding Payment for Non-Authorized Subcontractors.** OCFA shall have the right to withhold payment from Contractor for work performed by any subcontractor or subconsultant providing Goods or Services but not authorized in writing by the Purchasing Manager, or regarding which the insurance or other requirements under this Agreement have not been satisfied.

**2.23 Force Majeure.** Contractor shall not be assessed with liquidated damages or unsatisfactory performance penalties because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of Contractor, including, but not restricted to, acts of God or of a public enemy, acts of the government, fires, earthquakes, floods, epidemic, quarantine restrictions, riots, strikes, freight embargoes, and unusually severe weather if Contractor shall within thirty-six (36) hours of the commencement of such condition notify the Contract Administrator who shall thereupon ascertain the facts and the extent of any necessary delay, and extend the time for providing the Goods or Services for the period of the enforced delay when and if in the Contract Administrator's judgment such delay is justified, and the Contract Administrator's determination shall be final and conclusive upon the parties to this Agreement.

**2.24 Assignments.** Neither this Agreement nor any interest herein may be assigned, transferred, conveyed, hypothecated, or encumbered voluntarily or by operation of law, whether for the benefit of creditors or otherwise, without the prior written approval of the Purchasing Manager. Transfers restricted hereunder shall include the transfer to any person or group of persons acting in concert of more than twenty five percent (25%) of the present ownership and/or control of Contractor, taking all transfers into account on a cumulative basis. In the event of any such unapproved transfer, including any bankruptcy proceeding, this Agreement shall be void. No approved transfer shall release Contractor or any surety of Contractor from any liability hereunder without the express written consent of the Purchasing Manager.

**2.25 Proof of Insurance (If Applicable).** The Contractor must furnish OCFA with the documents specified in Exhibit "C" proving the necessary levels of insurance coverage, as

required. The certificates of insurance and original endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf.

**2.26 Warranty.** Contractor expressly warrants that the Goods or Services covered by this Agreement are 1) free of liens or encumbrances, 2) merchantable and good for the ordinary purposes for which they are used, and 3) fit for the particular purpose for which they are intended.

**2.27 Indemnification.** To the fullest extent permitted by law, Contractor shall defend (at Contractor's sole cost and expense with legal counsel reasonably acceptable to OCFA), indemnify and hold the OCFA, its board members, officials, officers, employees, agents and volunteers, free and harmless from any and all claims, demands, orders, causes of action, costs, expenses, liabilities, losses, penalties, judgments, arbitration awards, settlements, damages or injuries of any kind, in law or in equity, including but not limited to property or persons, including wrongful death, (collectively "Claims") in any manner arising out of, pertaining to, related to, or incident to any alleged acts, errors or omissions, or willful misconduct of Contractor, its officers, directors, employees, subconsultants, subcontractors, agents or invitees in connection with performance under this Agreement, or in any manner arising out of, pertaining to, related to, or incident to an alleged breach of this Agreement, including without limitation the payment of all consequential damages, expert witness fees and attorneys' fees and other related costs and expenses.

Notwithstanding the foregoing, and only to the extent that the work performed by Contractor are subject to California Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Contractor.

Under no circumstances shall the insurance requirements and limits set forth in this Agreement be construed to limit Contractor's indemnification obligation or other liability hereunder. Notwithstanding the foregoing, such obligation to defend, hold harmless and indemnify the OCFA, its board members officials, officers, employees, agents and volunteers, shall not apply to the extent that such Claims are caused by the sole negligence or willful misconduct of that indemnified party.

**2.28 Independent Contractor.** The legal relationship between the Parties is that of an independent contractor, and nothing herein shall be deemed to make Contractor, or any of its personnel, an OCFA employee. During the performance of this Agreement, Contractor and its officers, employees, and agents shall act in an independent capacity and shall not act as OCFA officers or employees. Contractor shall pay all wages, salaries, and other amounts due its employees in connection with the provision of Goods or Services under this Agreement and shall be responsible for all reports and obligations respecting them, including but not limited to social security income tax withholding, unemployment compensation, workers' compensation, and other similar matters. OCFA shall not in any way or for any purpose be deemed to be a partner of Contractor in its business or otherwise a joint venturer or a member of any joint enterprise with Contractor. Contractor shall not incur or have the power to incur any debt, obligation, or liability against OCFA, or bind OCFA in any manner.

If providing Services, Contractor will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. The personnel performing the Services under this Agreement on behalf of Contractor shall at all times be under Contractor's exclusive direction and control. Neither OCFA nor any of its officials, officers, employees, agents or volunteers shall have control over the conduct of Contractor or any of its officers, employees, or agents, except as set forth in this Agreement. Contractor, its officers, employees or agents, shall not maintain a permanent office or fixed business location at OCFA's offices. OCFA shall have no voice in the selection, discharge, supervision, or control of Contractor's officers, employees, representatives or agents or in fixing their number, compensation, or hours of service.

No OCFA benefits shall be available to Contractor, its officers, employees, or agents, in connection with the provision of Goods or Services under this Agreement. Except for fees paid to Contractor as provided for in this Agreement, OCFA shall not pay salaries, wages, or other compensation to Contractor for the provision of any Goods or Services under this Agreement. OCFA shall not be liable for compensation or indemnification to Contractor, its officers, employees, or agents, for injury or sickness arising out of providing any Goods or Services hereunder. If for any reason any court or governmental agency determines that OCFA has financial obligations, other than pursuant to Section 1.3 herein, of any nature relating to salary, taxes, or benefits of Contractor's officers, employees, representatives, agents, or subconsultants or subcontractors, Contractor shall defend, indemnify, and hold harmless OCFA from and against all such financial obligations.

**2.29 Employee Retirement System Eligibility Indemnification.** In the event that Contractor or any employee, agent, or subcontractor of Contractor providing any Goods or Services under this Agreement claims or is determined by a court of competent jurisdiction to be eligible for enrollment in an employee retirement system as an employee of OCFA, Contractor shall indemnify, defend, and hold harmless OCFA against: (1) all such claim(s) and determination(s); (2) for the payment of any employee and/or employer contributions for employee retirement system benefits on behalf of Contractor or its employees, agents or subcontractors; and (3) the payment of any penalties and interest on such contributions which would otherwise be the responsibility of OCFA.

Notwithstanding any other agency, state or federal policy, rule, regulation, law or ordinance to the contrary, Contractor and any of its employees, agents, and subcontractors providing any Goods or Services under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by OCFA, including but not limited to eligibility to enroll in an employee retirement system as an employee of OCFA and entitlement to any contribution to be paid by OCFA for employer contribution and/or employee contributions for employee retirement system benefits.

### **SECTION THREE**

**3.1 Governing Law and Venue.** This Agreement shall be construed and interpreted both as to validity and to performance of the Parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of



California, or any other appropriate court in such county, and Contractor covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

**3.2 Compliance with Laws.** Contractor represents and warrants that all Goods or Services rendered hereunder shall be provided in accordance with all laws, ordinances, resolutions, statutes, rules, and regulations of OCFA and any federal, state or local governmental agency of competent jurisdiction.

**3.3 Severability.** In the event that any one or more of the phrases, sentences, clauses, paragraphs, or sections contained in this Agreement shall be declared invalid or unenforceable by valid judgment or decree of a court of competent jurisdiction, such invalidity or unenforceability shall not affect any of the remaining phrases, sentences, clauses, paragraphs, or sections of this Agreement, which shall be interpreted to carry out the intent of the Parties hereunder.

**3.4 Authority.** The persons executing this Agreement on behalf of the Parties hereto warrant that they are duly authorized to execute this Agreement on behalf of said Parties and that by so executing this Agreement the Parties hereto are formally bound to the provisions of this Agreement.

**3.5 Calendar Days.** Any reference to the word “day” or “days” herein shall mean calendar day or calendar days, respectively, unless otherwise expressly provided.

**3.6 Amendments.** No alteration or variation of the terms of this Agreement shall be valid unless made in writing and signed by the Parties; no oral understanding or agreement not incorporated herein shall be binding on either of the Parties; and no exceptions, alternatives, substitutes or revisions are valid or binding on OCFA unless authorized by the Purchasing Manager in writing.

**3.7 Entire Contract.** This Agreement contains the entire agreement between the Parties with respect to the matters herein, and there are no restrictions, promises, warranties or undertakings other than those set forth herein or referred to herein.

**3.8 Termination.** OCFA reserves the right to terminate this Agreement at any time, with or without cause, upon thirty (30) days written notice to Contractor, except where continuation would constitute a danger to health, safety or general welfare, the period of notice shall be such shorter time as may be appropriate.

**3.9 Disputes – Contract.** The Parties shall deal in good faith and attempt to resolve potential disputes informally. If the dispute concerning a question of fact arising under the terms of this Agreement is not disposed of in a reasonable period of time by Contractor’s Representative and OCFA’s Contract Administrator, such matter shall be brought to the attention of the Purchasing Manager by way of the following process:

- The Contractor shall submit to the Purchasing Manager a written request for a final decision regarding the disposition of any dispute between the Parties arising under, related to, or involving this Agreement, unless OCFA, on its own initiative, has already rendered such a final decision.

- The Contractor's written request shall be fully supported by factual information, and, if the request involves a cost adjustment to the Contract, include statement by a corporate officer indicating that the request is made in good faith, that the supporting data are accurate and complete, and that the amount requested accurately reflects the Contract adjustment for which Contractor believes OCFA is liable.
- Pending the final resolution of any dispute arising under, related to, or involving this Agreement, Contractor agrees to diligently proceed with the performance of this Agreement, including the delivery of goods and/or provision of services. Contractor's failure to diligently proceed shall be considered a material breach of this Agreement.

**3.10 Breach of Contract.** The failure of Contractor to comply with any of the provisions, covenants or conditions of this Agreement shall be a material breach of this Agreement. In such event OCFA may, and in addition to any other remedies available at law, in equity, or otherwise specified in this Agreement:

- Afford Contractor written notice of the breach and ten days or such shorter time that may be specified in this Agreement within which to cure the breach;
- Discontinue payment to the contractor for and during the period in which Contractor is in breach; and
- Withhold any payments to the Contractor for the purpose of set-off or partial payment of the amounts owed to OCFA.

**3.11 Waiver.** No delay or omission in the exercise of any right or remedy of a non-defaulting party on any default shall impair such right or remedy or be construed as a waiver. No consent or approval of OCFA shall be deemed to waiver or render unnecessary OCFA's consent to or approval of any subsequent act of Contractor. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

**3.12 Remedies Not Exclusive.** Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the Parties are cumulative and the exercise by either Party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other Party.

**3.13 Legal Action.** In addition to any other rights or remedies, either Party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain injunctive relief, a declaratory judgment, or any other remedy consistent with the purposes of this Agreement.

If either party commences an action against the other party arising out of or in connection with this Agreement or its subject matter, the prevailing party shall be entitled to recover reasonable attorneys' fees and costs of suit from the losing party.

**3.14 Non-Liability of OCFA Officers and Employees.** No officer or employee of OCFA shall be personally liable to the Contractor, or any successor-in-interest, in the event of any default or breach by OCFA or for any amount which may become due to the Contractor or its successor, or for breach of any obligation of the terms of this Agreement

**3.15 Non-Discrimination.** Contractor covenants that, by and for itself, its heirs, executors, assigns, subcontractors, subconsultants and all persons claiming under or through them, that there shall be no discrimination or segregation in the performance of or in connection with this Agreement regarding any person or group of persons on account of race, disability, medical condition, color, creed, religion, sex, sexual orientation, marital status, age, national origin, or ancestry. Contractor shall take affirmative action to ensure that applicants and employees are treated without regard to their race, disability, medical condition, color, creed, religion, sex, sexual orientation, marital status, national origin, or ancestry.

**3.16 Special Terms and Conditions (If Applicable).** If required, additional terms and conditions applicable to the provision of Goods or Services pursuant to this Agreement are provided in Exhibit "D", attached hereto.

**[Signature Page follows]**

IN WITNESS WHEREOF, the Parties hereto have executed and entered into this Agreement as of the date first written above.

**"OCFA"**


**ORANGE COUNTY FIRE AUTHORITY**

Date: \_\_\_\_\_

By: \_\_\_\_\_

Sara Kennedy, CPPB  
Purchasing & Materials Manager

**APPROVED AS TO FORM.**

By:  \_\_\_\_\_

David E. Kendig  
General Counsel

Date: 5/19/2021 \_\_\_\_\_

**ATTEST:**

\_\_\_\_\_

Maria D. Huizar  
Clerk of the Board

**"CONTRACTOR"**

**LOS ANGELES TRUCK CENTER, LLC**

Date: 5/5/21 \_\_\_\_\_

By:  \_\_\_\_\_

Name: Bradley Favre  
Title: President

Date: 5/5/21 \_\_\_\_\_

By:  \_\_\_\_\_

Name: Bryan Kobus  
Title: CFD

## **EXHIBIT “A”**

- (1) OCFA’s RFP JA2487, dated March 17, 2021 (“Solicitation”),
- (2) OCFA’s Vehicle Specification # 22-51-01
- (3) Contractor’s Proposal, as modified by Contractor’s Best and Final Offer dated May 4, 2021, and
- (4) Any amendments, addendums, change orders, or modifications mutually agreed upon by the Parties hereto (“Services”, “Goods” or “Work”).



## ORANGE COUNTY FIRE AUTHORITY

### Request for Proposal

### 2022 Freightliner Cascadia

**March 17, 2021**

**RFP Number: JA2487**

The Orange County Fire Authority (OCFA) is requesting proposals for the purchase and build of one (1) new Freightliner Cascadia or approved equivalent, in accordance with vehicle specification number 22-52-01.

Submittal of Proposals for JA2487 will be accepted online through OCFA's electronic procurement system, PlanetBids, at: <http://www.planetbids.com/portal/portal.cfm?CompanyID=14773> or paper proposals may be hand delivered/mailed to Orange County Fire Authority, Purchasing Department, 1 Fire Authority Road, Building C, Irvine, CA 92602.

Paper proposals shall be submitted with one (1) original hard copy and one (1) electronic copy in PDF or Word (on digital media – must contain the exact same information, in the same order and format as the paper proposal). Proposals shall be sent to the attention of the Assistant Purchasing Agent, within said time limit, in a sealed envelope identified on the outside with the Offeror's Business Name, Proposal Number JA2487, and the due date. There will be no public opening of proposals.

Proposals will be received no later than 11:00 A.M. Pacific Standard Time (PST) on April 14, 2021.

#### **LATE SUBMITTALS WILL NOT BE ACCEPTED.**

A non-mandatory pre-proposal tele-conference is scheduled on Wednesday, March 31, 2021 at 3:00 P.M.

Any questions concerning this RFP can be submitted online via the Q&A module available through PlanetBids before Friday, April 1, 2021, 5:00 P.M. OCFA will publish a response to all inquiries through the e-procurement system and/or may issue an addendum as a result.

**James Aguila** | Assistant Purchasing Agent  
[jamesaguila@ocfa.org](mailto:jamesaguila@ocfa.org) | (714) 573-6647

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## **SECTION I: PROPOSAL INFORMATION**

### **INTRODUCTION**

The Orange County Fire Authority (OCFA) is requesting proposals from authorized dealers for the purchase and build of one (1) new 2022 Freightliner Cascadia (or approved equivalent) in accordance with vehicle specification number 22-52-01. The Freightliner Cascadia's will be utilized by the National Urban Search & Rescue team with a primary role to transport rescue equipment to assist with state and local government in the event of a major disaster or emergency.

The emergency nature of rescue and firefighting services requires that all manufacturers must be responsible and possess the ability to perform successfully under the terms and conditions of the contract. The intent of the specification is to keep with the policies of the Orange County Fire Authority Purchasing and Fleet Service Sections to obtain equipment suitable for the service demands of the Fire Authority.

### **DEBARMENT / SUSPENSION POLICY**

In order to prohibit the procurement of any goods or services ultimately funded by Federal awards from debarred, suspended or otherwise excluded parties, each Offeror will be screened at the time of RFP response to ensure respondent, its principal and their named subcontractors are not debarred, suspended or otherwise excluded by the United States Government in compliance with the requirements of 7 Code of Federal Regulations (CFR) 3016.35, 28 CFR 66.35, 29 CFR 97.35, 34 CFR 80.35, 45 CFR 92.35 and Executive Order 12549.

OCFA will verify respondent, its principal and their named subcontractors are not on the Federal debarred, suspended or otherwise excluded list of vendors located at [www.sam.gov](http://www.sam.gov).

### **AGENCY BACKGROUND**

The Orange County Fire Authority was formed on March 1, 1995, transitioning from the Orange County Fire Department to a Joint Powers Authority (JPA) as allowed by California State Government Code 6500 et seq. The OCFA is an independent organizational entity similar to a special district. The service area includes twenty-three member cities, the unincorporated areas of Orange County, California, including State and Federal Responsibility areas. A twenty-three member Executive Board of Directors governs the OCFA. This Board includes an elected official appointed to represent each of the twenty-three member cities and two representatives from the County Board of Supervisors. The OCFA is managed by an appointed Fire Chief who reports to the Executive Board of Directors.

The OCFA is the largest regional fire service organization in Orange County and one of the largest in California. Emergency response services are provided to a community of over 1.75 million residents in a 575 square mile area. The OCFA has approximately 127 job classifications with an authorized staffing level is 1,372 full-time positions. The staff provides front-line services, including prevention, education, dispatch, emergency response and technical and administrative support.

The OCFA serves the following jurisdictions:

Aliso Viejo	Laguna Woods	Santa Ana
Buena Park	Lake Forest	Seal Beach
Cypress	La Palma	Stanton
Dana Point	Los Alamitos	Tustin
Garden Grove	Mission Viejo	Villa Park
Irvine	Rancho Santa Margarita	Westminster
Laguna Hills	San Clemente	Yorba Linda
Laguna Niguel	San Juan Capistrano	



### **ESTIMATED RFP SCHEDULE**

Request for Proposal Issue Date	<b>March 17, 2021</b>
Pre-Proposal Tele-Conference ( <i>attendance is optional</i> )	<b>March 31, 2021 2:00 P.M.</b>
Deadline to submit questions through Online Q&A	<b>April 1, 2021 by 5:00 P.M.</b>
Proposal Due Date	<b>April 14, 2021 by 11:00 A.M.</b>
Executive Committee ( <i>if required</i> )	<b>May 27, 2021</b>

The tentative schedule of important dates is for general guidance only, to provide the supplier an indication of OCFA's internal processes. Other than the RFP Issue Date, the above dates and steps are subject to change without necessity of addendum.

### **TERM OF AGREEMENT**

The term of any contract made as a result of this RFP shall be for the initial requested purchase and will become effective on the date that the contract is approved and the PO is issued.

At the option of OCFA, with the concurrence of the selected vendor, the contract may be extended for additional purchases for up to four (4) additional one-year periods, not to exceed a total contract term of five years. The contract extension is subject to the following:

- The satisfactory negotiation of terms, including a price acceptable to both the OCFA and the selected firm;
- The availability of an appropriation in the OCFA's budget.

### **PRE-PROPOSAL CONFERENCE**

A non-mandatory pre-proposal tele-conference call is scheduled on **Wednesday, March 31, 2021 at 2:00 P.M.** This informational meeting will be held to allow for questions and clarifications concerning the Authority's RFP process and subsequent contract award. Offerors should be familiar with the proposal prior to attending the pre-proposal conference. Attendance at this pre-proposal meeting will be remote only through GoToMeeting. Please contact James Aguila via e-mail at: [jamesaguila@ocfa.org](mailto:jamesaguila@ocfa.org) to reserve your spot. Please note that the call-in space is limited and will be provided on a first come first serve basis.

### **QUESTION SUBMITTAL**

Please review the entire RFP package at your earliest opportunity and submit questions through the Q&A Tab on the PlanetBids vendor portal no later than **5:00 PM on April 1, 2021**. Questions which are submitted prior to the pre-proposal conference will be addressed during the pre-proposal meeting.

### **ADDENDUM**

Any information or instructions that result from the pre-proposal meeting will be documented in an addendum and sent to all prospective bidders who have downloaded the bid package through Planet Bids. Any additions, deletions, changes, clarifications, or supplemental information regarding the RFP will be sent to all prospective Proposers prior to the date fixed for the receipt of proposals. All addenda so issued shall become part of the contract documents.

### **DUE DATE**

Proposals will be received no later than **11:00 A.M., April 14, 2021**. Late proposals will not be accepted.

### **PROPOSAL SUBMITTAL**

Submittal of Proposals for JA2487 will be accepted online through OCFA's electronic procurement system, PlanetBids, at: <http://www.planetbids.com/portal/portal.cfm?CompanyID=14773> or paper

proposals may be hand delivered/mailed to the Orange County Fire Authority Purchasing Department.

Paper proposals shall be submitted with one (1) original hard copy and one (1) electronic copy in PDF or Word (on digital media – must contain the exact same information, in the same order and format as the paper proposal). Proposals shall be sent to the attention of the Assistant Purchasing Agent, within said time limit, in a sealed envelope identified on the outside with the Offeror's Business Name, Proposal Number JA2487, and the due date. There will be no public opening of proposals. Paper proposals shall be submitted to the following address:

***Delivery Address:***

Orange County Fire Authority  
Attn: Purchasing Section  
1 Fire Authority Road Bldg. C  
Irvine, CA 92602

***Please note that the pricing page found in Exhibit E should be submitted separately in a sealed envelope so that the technical proposal can be evaluated without the consideration of cost.***

Any Offeror who wishes his/her proposal to be considered is responsible for making certain that the proposal is submitted electronically by the announced time. No oral, telegraphic, facsimile, or telephonic proposals or modifications will be considered unless specified. Proposal information shall not be made public until after the contract is awarded. At that time the executed contract will become public information.

By submitting an offer, the Offeror acknowledges understanding of the rules as defined in this RFP. Compliance with all of the terms and conditions of the agreement is mandatory for companies providing services to OCFA.

No obligation, either expressed or implied, exists on the part of the OCFA to make an award or to pay any costs incurred in the preparation or submission of a proposal. All costs associated with the preparation or submission of proposals covered by this RFP, are solely the responsibility of the Offerors.

**GENERAL INFORMATION**

The successful proposal will be one that demonstrates the ability to meet the requirements of the solicitation. Sealed proposals will be accepted up to the date and time stated herein. Proposals must be prepared in conformance with the instructions provided.

Only those firms with verifiable experience as it relates to the requirement of this solicitation will be considered during the evaluation process.

To be considered responsive, Offerors must respond to this solicitation in accordance with the requirements, specifications, commercial terms, and provisions as described and set forth herein. Proposals must embrace a concept that the successful Offeror will satisfy all of the objectives and service specifications outlined in this document.

Any Offeror who wishes his/her proposal(s) to be considered is responsible for making certain that the proposal is received in the Purchasing Office by the announced time. No oral, telegraphic, facsimile, or telephonic proposals or modifications will be considered unless specified. Proposals received after the scheduled submittal deadline will be returned unopened. Proposals must bear original signatures when the proposal is not submitted electronically. Please note that there will be no public opening of proposals. Proposal information shall not be made public until the contract is awarded. At that time the executed contract will become public information.

The Orange County Fire Authority reserves the right to negotiate with any Offeror(s) as necessary to serve the best interest of the Authority and negotiate the final contract(s) with the most responsive, responsible Offeror. OCFA reserves the right to waive, at its discretion, any irregularity or informality, which the OCFA deems correctable or otherwise not warranting rejection of the RFP. OCFA reserves the right to reject any and all proposals and to accept any proposal or portion thereof. No obligation, either expressed or implied, exists on the part of the OCFA to make an award or to pay any costs incurred in the preparation or submission of a proposal. All costs associated with the preparation or submission of proposals covered by this RFP, are solely the responsibility of the Offerors.

By submitting an offer, the Offeror acknowledges understanding of the rules as defined in this RFP. Compliance with all of the terms and conditions of the agreement is mandatory for companies providing services to OCFA.

The intent of the OCFA is to award a contract to the respondent that scores the highest in the RFP evaluation process. Please provide your response to all the information requested in this RFP so that the firm you represent can be assessed to the best advantage.

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(RFP CONTINUED ON NEXT PAGE)**

## **SECTION II: SCOPE OF WORK**

### **2.1 BACKGROUND**

The Freightliner Cascadia's will be utilized by the National Urban Search & Rescue team with a primary role to transport rescue equipment to assist with state and local government in the event of a major disaster or emergency.

### **2.2 OBJECTIVE**

The Orange County Fire Authority (OCFA) is requesting proposals from authorized dealers for the purchase and build of one (1) Freightliner Cascadia in accordance with vehicle specification number 22-52-01. The intent of these specifications is to obtain equipment suitable for the service demands of the Fire Authority while following the policies of the Orange County Fire Authority Purchasing and Fleet Services Sections.

### **2.3 MINIMUM QUALIFICATIONS**

Offerors must meet the following minimum requirements to be considered responsive. Failure to meet these minimum requirements may cause the submitted proposal to be eliminated from further consideration in the evaluation process.

- The successful offeror shall have a delivery and service facility within fifty (50) driving miles of the OCFA Fleet Services repair facility. The facility shall have been engaged in the delivery, repair and maintenance of similar vehicle for a minimum of five (5) years.
- The vehicle must be manufactured in the continental United States and shall be of the most current design and model year that the manufacturer produces.
- Awarded contractor must be able to provide proof of applicable licenses and/or permit's to do business within the State of California.

### **2.4 DELIVERABLES**

#### **2.4.1 SPECIFICATIONS**

The objective of the specifications is to outline the requirements and general functional areas believed to be necessary to successfully perform this contract. The specifications are to be used as a general guide and are not intended to be a complete list of all work necessary to complete the project.

The Master Agreement incorporating the OCFA solicitation document, vehicle specifications document, and agreed upon scope of work will be the only documents used by the OCFA during the entire build process (start-finish). All proposals, specifications, in-house orders, shop build orders, etc. created by Offerors are not acceptable. No Exception.

All specified items requested by OCFA shall be supplied by the vehicle manufacturer/builder at no additional cost to the OCFA.

The Orange County Fire Authority and/or its representatives shall not be responsible for errors and/or mistakes made by the offeror in the submission of their proposal. The Fire Authority specifically reserves the right to reject any or all proposals.

See attached vehicle specification number 22-52-01 for specific requirements for one (1) Freightliner Cascadia.

#### **2.4.2 EXCEPTIONS**

Any exception(s) or clarifications to this specification shall be noted by the offeror, no matter how seemingly minor. No exception to or deviation from this specification will be considered unless specifically noted by the offeror. Any exception(s) not taken to these specifications shall be assumed by the OCFA to be included as specified, regardless of the cost to the offeror to comply.

OCFA may accept the recommended substitutions if they are determined by the OCFA to be equal to or superior to the item specified.

Failure to make changes to conform to any clause of these specifications within 30 days after notice is given by the OCFA to the vendor of non-compliance may be cause for rejection of the vehicle.

If a contract is awarded and it is subsequently determined that the offeror indicated “comply” and then is not able to meet that requirement at the cost quoted, the OCFA reserves the right to immediately cancel said contract. In the event that the contract is cancelled due to incorrect, incomplete or false information provided by the offeror, any and all costs incurred may be assessed at the offeror’s sole expense.

The Orange County Fire Authority and/or its representatives shall not be responsible for errors and/or mistakes made by the bidder in the submission of their bids.

### **2.4.3 TECHNICAL DATA AND DRAWINGS**

Technical data describing the proposed vehicle and all major components shall be submitted. Major components include: body, cab/chassis, engine, transmission, front and rear axles, wheels and tires, brakes, and other specified components.

All offerors shall include the following technical drawings with their proposal:

- Preliminary drawings of proposed OCFA vehicle
- Turning radius report for the proposed OCFA vehicle

All drawings (for both proposed and “as-built” vehicle) shall be provided in full-size (approximately 34” x 22” for readability and clarity) and 8 ½” x 11”.

Manufacturer shall provide total weight certification (GVW and GAW) which includes rated axle capacities.

Manufacturer shall also provide road performance guarantees including: acceleration, top speed, grade-ability, braking, etc.

Vehicle turning radius (right and left) and rated axle capacity data shall be provided.

Materials, type of construction and general drawings showing compartment size, seating arrangements, controls and instrument panel layout shall be provided.

## **2.5 MATERIALS AND WORKMANSHIP**

The design and construction of the vehicle, including all materials and workmanship, shall be of high quality and shall conform to the most recent applicable standards of the following:

- Society of Automotive Engineer's Standards and Recommended Practices
- Federal Motor Vehicle Safety (FMVSS)
- Environmental Protection Agency (EPA)
- Occupational Safety and Health Administration (OSHA) Standards
- California State Standards (Dot Title 13)

- All materials and components shall be new and of the most current model produced for which replacement parts are readily available.
- All component parts shall embody the original manufacturer's label plate and part or model number as applicable
- No manufacturer emblems/badges shall be affixed or stamped into the vehicle cab/body
- All piping, wiring, and tubing shall be neatly installed, secured where necessary, and protected from heat and mechanical damage. The exhaust must be sufficiently shielded and/or insulated as to not communicate any heat on the body surfaces, which contain medical supplies and substances that are heat sensitive.
- All welding shall be neat and have uniform beads. All welding spatter shall be removed.
- Any torch cut or sheered metal shall have ground-smooth cuts on all sides.
- All major components including the engine, transmission, radiator, front and rear axles, brakes, and steering gear, shall be independently replaceable without cutting, burning or structural alteration of the vehicle. Welding shall not be employed in a manner that will prevent the ready removal of these component parts for inspection, service, or repair.
- Plastic tie wraps to secure wiring to frame rails will not be accepted. Metal wraps or restraints need to be used to secure the wiring.

## **2.6 PARTS & SERVICE**

It is the intent of the Purchaser to assure that parts and service are readily available for the equipment specified.

The successful offeror shall have a delivery and service facility within fifty (50) driving miles of the OCFA Fleet Services repair facility. The facility shall have been engaged in the delivery, repair and maintenance of vehicle for a minimum of five (5) years. The facility shall have adequate covered, lighted and floor area for inspection and repair of the vehicle and shall be approved by the OCFA Fleet Services section (No exception).

## **2.7 DUE DATES/SCHEDULES/TIMELINES**

The vehicle and any equipment described within these specifications shall be completed and delivered to the OCFA, within 180 days after receipt of purchase order or as quoted by the contractor, whichever is sooner.

## **2.8 CONTRACTOR RESPONSIBILITIES**

### **2.6.1 ORDER CONFIRMATION**

OCFA will issue a purchase order for the initial purchase of one unit. OCFA may subsequently issue purchase orders for additional units, as needed. For all orders, upon receipt of approved purchase order, Offeror shall confirm in writing, factory order number, factory assembly date, and estimated delivery schedule and emailed to:

Frank Grisenti, Fleet Services Coordinator at [frankgrisenti@ocfa.org](mailto:frankgrisenti@ocfa.org)

Contractor shall not accept orders or requests in any form other than a purchase order.

### **2.6.2 DMV REGISTRATION**

The manufacturer shall provide the following:

- Complete California Department of Motor Vehicle registration (Exempt) including all taxes and fees.
- Certificate of origin.
- Verification of Vehicle Identification Number with California weight certification

### **2.6.3 DELIVERY**

- The vehicle, its accessories, spare parts, and tools, shall be packed in such a manner as to prevent pilferage and ensure safe delivery to the designated point.
- Manufacturer shall provide a list of all items shipped loose with the vehicle.
- The vehicle will be delivered clean, full of fuel, Diesel Exhaust Fluid, DPF, clean and free of evidence of road travel, serviced and ready for immediate service. Delivery shall be FOB destination.
- Delivery of unit(s) to the OCFA shall include a pre-delivery check sheet showing what operations have been performed on the vehicle and be signed by the technician or individual(s) who serviced or repaired the unit.
- A supplemental vehicle information sheet (provided by the OCFA at the pre-construction meeting) is also required when the unit is delivered, as well as a flash drive showing ALL the makes and manufacturer model numbers, size, makes, etc., of all components that pertain to the unit. Payment will not be processed without this completed form. An electronic version of the form will be supplied by the OCFA if requested. Manufacturer is to complete sections two, three and four of the supplemental information sheet and return to OCFA.
- Prior to final delivery, each vehicle will have an “acceptance inspection” performed by the OCFA at the manufacturer’s local service/repair/sales facility. After the successful completion of the inspection and all noted repairs, corrections and deficiencies are corrected the vehicle(s) can then be delivered to the OCFA Fleet Services facility and ready for immediate operation.
- **Delivery will not be considered complete and payment will not be processed until the following requirements are met:**
  - All reference material (described above) delivered to OCFA Fleet Services.
  - All loose equipment (listed later in these specifications) delivered to OCFA Fleet Services.
  - Training for both operations and fleet services personnel as described is completed by a factory authorized representative

### **2.6.4 LIQUIDATED DAMAGES**

The contractor acknowledges and agrees that any delay would seriously affect the public welfare and the operations of the OCFA and that it is extremely difficult to ascertain and determine actual damages for such delay. Therefore, it is agreed that the contractor shall become liable to the OCFA for liquidated damages in the sum of one hundred dollars (\$100) for each and every calendar day in excess of the date specified for delivery for each unit not delivered as scheduled. OCFA reserves the right to short pay invoices in lieu of collecting liquidated damages.

### **2.6.5 TRAINING**

The manufacturer shall arrange for a factory trained representative to conduct training courses and demonstrate the equipment as follows at the customer's location:

- One (1) day shall be provided for instruction on the operation, use and maintenance of the new vehicle for operators.
- Factory representative shall be well versed and familiar with all aspects of the vehicle operations, capabilities and limitations (No exception).
- Manufacturer shall give permission for photo/video recording of any and all training sessions for future reference by the OCFA.

#### **2.6.6 REPORTS**

The successful offeror shall provide a weekly update of progress, to include pictures of each unit's progress. E-mail addresses will be provided for the distribution of this information.

#### **2.6.7 WARRANTY**

The manufacturer shall warranty the entire vehicle proposed, manufactured, and/or assembled by them to be free from defects in material and or workmanship under normal use and service for a period of not less than one (1) year from the date of acceptance by the OCFA.

The manufacturer shall include with their proposal a detailed description of the standard warranty for the proposed vehicle and major assembled components.

Manufacturer shall identify those items that are specifically not covered by the standard warranty and those considered normal wear items.

Any items not pre-identified as being "not covered" or as normal wear items by the manufacturer shall be considered by the OCFA to be covered for the entire warranty period.

Offeror shall include a statement which identifies the manufacturer's obligations and capability of furnishing parts and technical assistance to the customer for the normal life of the vehicle, fifteen (15) years.

Warranty option; offeror shall include with their proposal, a detailed description, including the additional cost of a five (5) year warranty for the proposed vehicle and major assembled components. This optional warranty shall specify those components that are covered, those items where the standard component warranty is extended and also those items that are specifically not covered by the optional five year warranty.

Cost for this optional warranty shall be noted on the proposal pricing sheet and returned with proposal package.

The manufacturer will be required to handle all repairs and or replacement of parts that are covered as described within the standard or extended warranty period.

The complete unit shall be guaranteed against defective material or workmanship and shall be guaranteed to conform to the requirements of all tests plus any and all requirements specified herein.

Manufacturer shall allow a minimum of sixty (60) days for OCFA to place the vehicle into service following delivery and acceptance before the warranty period begins.



## **SECTION III: GENERAL INSTRUCTIONS TO OFFERORS**

### **ACCEPTANCE PERIOD**

Unless otherwise specified herein, proposals are firm for a period of one hundred eighty (180) days.

### **AMENDMENT OF REQUEST FOR PROPOSAL**

The Offeror shall acknowledge receipt of a Request for Proposal Amendment by signing and returning the document by the specified due date and time. Amendments (addendums) may be obtained from the OCFA website at: [www.ocfa.org](http://www.ocfa.org). It is the Offeror's responsibility to obtain a copy of any amendment relevant to this solicitation. Any interested Offerors without Internet access may obtain a copy of this solicitation by calling (714) 573-6640, or a copy may be picked up during regular business hours. OCFA takes no responsibility for informing recipients of changes to the original solicitation document. Failure to submit signed amendments with the proposal response may be grounds for deeming submittal non-responsive.

### **RESERVATION OF RIGHTS**

Notwithstanding any other provision of the Request for Proposal, OCFA reserves the right to:

- Conduct pre-award discussion or pre-award negotiations with any or all responsive proposals; or
- Request that the Offeror furnish additional information; or
- Accept or reject any or all proposals, or portions thereof; or
- Issue multiple awards, if it is in the best interest of the agency; or
- Limit and/or determine the actual contract services to be included in the contract; or
- Reissue the Request for Proposal.

The OCFA reserves the unilateral right to modify or amend this RFP in writing at any time for any reason the OCFA determines to be in its best interest. The OCFA also reserves the right to cancel or reissue the RFP at its sole discretion. OCFA reserves the right to accept or reject any or all proposals and the right to waive minor irregularities in any proposal. Waiver of one irregularity does not constitute waiver of any other irregularities.

### **AWARD SELECTION PROCESS**

A response to this Request for Proposal is an offer to contract with OCFA based upon the scope of work contained in OCFA's Request for Proposal and the vehicle specifications document. Award will be made to the Offeror(s) submitting the most advantageous proposal(s) after consideration of all Evaluation Criteria set forth in this solicitation. An Evaluation Committee will be established by the OCFA. The Committee will evaluate all proposals received in accordance with the Evaluation Criteria. OCFA reserves the right to establish weight factors that will be applied to the criteria depending upon order of importance. The award will be made in the best interests of OCFA after all factors have been evaluated.

Selection of qualified Offerors will be based on the following: quality and completeness of submitted proposal; understanding of project objectives; project approach; price proposal; support and services; qualifications and experience with similar types of efforts; and references. Additional questions may be asked of Offerors and demonstrations may be conducted. Offerors will be notified of any additional required information or demonstrations after the written proposals have been evaluated. The recommendation will be made to the OCFA Board of Directors Executive Committee if required. Once the contract(s) are approved, the Offeror(s) selected will enter into contract with the OCFA.

### **CAMPAIGN CONTRIBUTIONS DISCLOSURE**

In conformance with the statutory requirements of the State of California Government Code Section 84308, part of the Political Reform Act and Title 2, California Code of Regulations 18438 through 18438.8, regarding campaign contributions to members of appointed Boards of Directors, Offeror is required to complete the Party and Participant Disclosure Forms provided in Appendix F of this RFP and submit as part of the proposal, if applicable. Offeror is required to submit only one copy of the completed form(s) as part of its proposal. This/these form(s) should be included in the original proposal. The Offeror and subcontractors must complete the form entitled "Party Disclosure Form". Lobbyists or agents representing the Offeror in this procurement must complete the form entitled "Participant Disclosure Form". Reporting of campaign contributions is a requirement from the proposed submittal date up and until the OCFA Board of Directors takes action.

### **CANCELLATION OF SOLICITATION**

The OCFA may cancel this solicitation at any time.

### **CERTIFICATION**

By signature on the Offer/Price Page, Certification of Submittal page, solicitation Amendment(s), or cover letter accompanying the submittal documents, Offeror certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The Offeror shall not discriminate against any employee or applicant for employment in violation of Federal or State law.
- The Offeror has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, meal or service to a public servant in connection with the submitted offer.
- The Offeror hereby certifies that the individual signing the submittal is an authorized agent for the Offeror and has the authority to legally bind the Offeror to the Contract.
- The Offeror hereby certifies, its principal and their named subcontractors are not debarred, suspended or otherwise excluded by the United States Government.

### **CONFIDENTIAL INFORMATION**

All responses to this RFP become the property of OCFA and will be kept confidential until such time as recommendation for award of a contract has been announced. Thereafter, proposals are subject to public inspection and disclosure under the California Public Records Act. If a respondent believes that any portion of its proposal is exempt from public disclosure, such portion may be marked "confidential." OCFA will use reasonable means to ensure that such confidential information is safeguarded but will not be held liable for inadvertent disclosure of such materials, data and information. Proposals marked "confidential" in their entirety will not be honored and OCFA will not deny public disclosure of all or any portion of proposals so marked. By submitting information with portions marked "confidential", the respondent represents it has a good faith belief that such material is exempt from disclosure under the California Public Records Act and agrees to reimburse OCFA for, and to indemnify, defend and hold harmless OCFA, its officers, fiduciaries, employees and agents from and against: (a) any and all claims, damages, losses, liabilities, suits, judgments, fines, penalties, costs and expenses including, without limitation, attorneys' fees, expenses and court costs of any nature whatsoever (collectively, "Claims") arising from or relating to OCFA's non-disclosure of any such designated portions of a proposal if disclosure is deemed required by law or court order. Additionally, OCFA may request that the bidder/respondent directly defend any action for disclosure of any information marked confidential.

### **COMPLIANCE WITH LAWS**

All proposals shall comply with current federal, state, and other laws relative thereto.

### **DEBARMENT / SUSPENSION POLICY**

In order to prohibit the procurement of any goods or services ultimately funded by Federal awards from debarred, suspended or otherwise excluded parties, each Offeror will be screened at the time of RFP response to ensure respondent, its principal and their named subcontractors are not debarred, suspended or otherwise excluded by the United States Government in compliance with the requirements of 7 Code of Federal Regulations (CFR) 3016.35, 28 CFR 66.35, 29 CFR 97.35, 34 CFR 80.35, 45 CFR 92.35 and Executive Order 12549.

OCFA will verify respondent, its principal and their named subcontractors are not on the Federal debarred, suspended or otherwise excluded list of vendors located at [www.sam.gov](http://www.sam.gov).

### **DISCUSSIONS**

The OCFA reserves the right to conduct discussions with Offerors for the purpose of eliminating minor irregularities, informalities, or apparent clerical mistakes in the proposal in order to clarify an offer and assure full understanding of, and responsiveness to, solicitation requirements.

### **DISQUALIFICATION OF OFFEROR(S)**

If there is reason to believe that collusion exists among the Offerors, OCFA may refuse to consider proposals from participants in such collusion. No person, firm, or corporation under the same or different name, shall make, file, or be interested in more than one proposal for the same work unless alternate proposals are called for. A person, firm, or corporation who has submitted a sub-proposal to an Offeror, or who has quoted prices on materials to an Offeror, is not thereby disqualified from submitting a sub-proposal or quoting prices to other Offerors. Reasonable grounds for believing that any Offeror is interested in more than one Proposal for the same work will cause the rejection of all Proposals for the work in which a Firm is interested. If there is reason to believe that collusion exists among the Firms, OCFA may refuse to consider Proposals from participants in such collusion. Firms shall submit as part of their Proposal documents the completed Non-Collusion Affidavit provided herein.

### **DISPUTES RELATING TO PROPOSAL PROCESS AND AWARD**

In the event a dispute regarding this solicitation arises, the party wishing resolution of the dispute must submit a request to the Purchasing Manager in writing. The request must include information regarding the legal and factual grounds of the dispute, the form of relief requested, and be brought forth in accordance with OCFA's [Purchasing Ordinance, Article IX. Legal and Contractual Remedies](#), which can be found on OCFA's website.

Requests to resolve a dispute concerning improprieties in the proposal process prior to the solicitation due date, must be submitted not less than five (5) working days before the solicitation due date.

Should a dispute arise regarding this solicitation's Recommendation for Award or Denial of Award, the request for resolution must be submitted in writing within seven (7) days after the party bringing the dispute knows or should have known the facts hereto; however in no event later than seven (7) days after issuance of the Intent to Award.

### **EXPERIENCE AND COMPETENCY**

The successful Offeror(s) shall be skilled and regularly engaged in the general class or type of work called for under the contract. The successful Offeror(s) shall also have **no less than three (3) years' experience in the magnitude and character of the work proposal**. Each Offeror shall provide information about experience with the proposal. To determine the degree of responsibility to be credited to the Offeror, OCFA will weigh any evidence that the Offeror has performed satisfactorily other contracts of like nature, magnitude, and comparable difficulty and comparable rates of progress. In selecting the most responsive and responsible Offeror(s), consideration will be given not only to the financial standing,

but also to the general competency of the Offeror for the performance of the work specified in the contract documents.

### **FAMILIARIZATION OF SCOPE OF WORK**

Before submitting a proposal, each Offeror shall familiarize themselves with the scope of work, laws, regulations and other factors affecting contract performance. The Offeror shall be responsible for fully understanding the requirements of the subsequent Contract and otherwise satisfy themselves as to the expense and difficulties accompanying the fulfillment of contract requirements. The submission of a proposal will constitute a representation of compliance by the Offeror. There will be no subsequent financial adjustment, other than that provided by the subsequent Contract, for lack of such familiarization.

### **INDEMNIFICATION**

Offeror shall protect and indemnify the OCFA, the Board of Directors, and all of its or their officers, agents and servants against any claim or liability arising from or based on Offeror's violation of any existing or future state, federal, and local laws, ordinances, regulations, orders or decrees pertaining to Offeror's submittal.

### **INQUIRIES**

Any question related to the Request for Proposal shall be directed to Assistant Purchasing Agent, James Aguila. Questions and comments regarding this solicitation must be submitted via PlanetBids, no later than the stated Q&A deadline. The questioner's company name, address, phone and fax number, and contact person must be included with the questions or comments. Any correspondence related to a solicitation should refer to the appropriate Request for Proposal number, page and paragraph number. Oral interpretations or clarifications will be without legal effect. Only questions answered by a formal written amendment to the Request for Proposal will be binding. Answers will be released via addendum through PlanetBids and notification will be sent to prospective bidders who have downloaded the bid documents.

### **LATE PROPOSALS**

Late proposals will be rejected and not opened.

### **NEGOTIATIONS**

Exclusive or concurrent negotiations may be conducted with responsible Offeror(s) for the purpose of altering or otherwise changing the conditions, terms and price of the proposed contract unless prohibited. Offerors shall be accorded fair and equal treatment in conducting negotiations and there shall be no disclosure of any information derived from proposals submitted by competing Offerors. Exclusive or concurrent negotiations shall not constitute a contract award nor shall it confer any property rights to the successful Offeror. In the event the OCFA deems that negotiations are not progressing, OCFA may formally terminate these negotiations and may enter into subsequent concurrent or exclusive negotiations with the next most qualified firm(s).

### **OBJECTIONS**

Any objections as to the structure, content or distribution of this RFP must be submitted in writing to Purchasing Manager less than five (5) working days before the RFP due date. Objections must be as specific as possible, and identify the RFP section number and title, as well as a description and rationale for the objection.

### **OFFER AND ACCEPTANCE PERIOD**

In order to allow for an adequate evaluation, OCFA requires an offer in response to this solicitation to be valid and irrevocable for one hundred and eighty (180) days after the proposal due date and time.

### **PRE-PROPOSAL CONFERENCE**

If scheduled, the date and time of a Pre-Proposal conference is indicated on the cover page of this document. Written minutes and/or notes will not be available, therefore attendance is encouraged. If an Offeror is unable to attend the Pre-Proposal Conference, questions may be submitted in writing. Offerors are encouraged to submit written questions, via electronic mail or facsimile, at least five days prior to the Request for Proposal due date to the Purchasing Manager. The purpose of this conference will be to clarify the contents of this Request for Proposal in order to prevent any misunderstanding. Any doubt as to the requirements of this Request for Proposal or any apparent omission or discrepancy should be presented to OCFA at this meeting. OCFA will then determine the appropriate action necessary, if any, and may issue a written amendment to the Request for Proposal. Oral statements or instructions will not constitute an amendment to this Request for Proposal.

### **PREPARATION OF PROPOSAL**

- All proposals shall incorporate the forms provided in this Request for Proposal package. It is permissible to copy these forms as required. Facsimiles or electronic mail proposals shall not be considered.
- The Proposal form and any solicitation amendments must be signed and returned with the proposal. The forms submitted shall be signed by a person authorized to submit an offer. An authorized signature on the Proposal form, Proposal Amendment(s), or cover letter accompanying the proposal documents shall constitute an irrevocable offer to provide services specified herein. Offeror shall submit any additional requested documentation, signifying intent to be bound by the terms of the agreement.
- The authorized person signing the proposal shall initial erasure, interlineations or other modifications on the proposal.
- Periods of time, stated as a days, shall be in calendar days.
- It is the responsibility of all Offerors to examine the entire Request for Proposal package and seek clarification of any requirement that may not be clear and to check all responses for accuracy before submitting a proposal. Negligence in preparing a proposal confers no right of withdrawal after due date and time.
- OCFA shall not reimburse the cost of developing, presenting, submitting or providing any response to this solicitation.
- Offeror must list any subcontractors to be utilized in the performance of the services specified herein. For each subcontractor, details on respective qualifications must be included.

### **PROPOSAL OPENING AND RESULTS**

Please note that there will be no public opening of proposals. The list of firms participating in the solicitation will be available when the recommendation for award(s) is made to the Executive Committee.

### **PUBLIC RECORD**

All proposals submitted in response to this Request for Proposal shall become the property of OCFA and shall become a matter of public record available for review subsequent to the award notification.

### **WHERE TO SUBMIT PROPOSALS**

In order to be considered, the Offeror must complete and submit its proposal to OCFA Purchasing Office at the location indicated, prior to or at the exact date and time indicated on the Notice of Request for Proposal page. The Offeror's proposal shall be submitted in a sealed envelope. The words "SEALED PROPOSAL" with the REQUEST FOR PROPOSAL TITLE, REQUEST FOR PROPOSAL NUMBER,

PROPOSAL DUE DATE AND TIME and OFFEROR'S NAME AND ADDRESS shall be written on the envelope.

**WITHDRAWAL OF PROPOSAL**

At any time prior to the specified solicitation due date and time, an Offeror may formally withdraw the proposal by a written letter, facsimile or electronic mail from the Offeror or a designated representative. Telephonic or oral withdrawals shall not be considered.

## **SECTION IV: SPECIAL TERMS AND CONDITIONS FOR FEDERALLY FUNDED PROCUREMENTS**

### **ACCESS TO RECORDS**

The awarded contractor must agree to provide OCFA, the FEMA administrator, the comptroller general of the United States, or any of their authorized representatives access to any books, documents, papers, and records of the contractor which are directly pertinent to the contract resulting from this solicitation for the purposes of making audits, examinations, excerpts, and transcriptions. The awarded contractor must agree to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed. The awarded contractor must agree to provide the FEMA administrator or his authorized representatives access to construction or other work sites pertaining to the work being completed under the contract.

### **BYRD ANTI-LOBBYING AMENDMENT, 31 U.S.C. § 1352 (AS AMENDED)**

Contractors who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the recipient.

### **CHANGES**

Subsequent to contract award, in the event that any changes to work within the scope of the contract is requested by OCFA, the parties shall execute an addendum or change order to the Agreement, setting forth with particularity all terms including, but not limited to, revisions or modifications for additional work or services not included in the Agreement or not customarily furnished in accordance with generally accepted practice. A cardinal change that causes, in effect, the contractor to perform very different work from that described in the Agreement is considered to be a non-competitive award subject to the negotiation of profit as an element separate from price.

### **CIVIL RIGHTS REQUIREMENTS**

Contractors must not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, English proficiency, or disability. Contractors must not, on the grounds of race, color, creed, national origin, sex, age, English proficiency, or disability, exclude a person from participation in, deny him/her benefits, or subject him/her to discrimination. Contractors must adhere to any Federal implementing regulations and other requirements that the department and FEMA have with respect to nondiscrimination.

### **CLEAN AIR ACT AND THE FEDERAL WATER POLLUTION CONTROL ACT**

For awards exceeding \$150,000, the following shall apply: Clean Air Act: (1) The contractor will agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. (2) The contractor agree will report each violation to OCFA and understands and agrees that OCFA will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office. (3) The contractor will agree to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA. Federal Water Pollution Control Act: (1) The contractor will agree to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. (2) The contractor will agree to report each violation to OCFA and understands and agrees that

OCFA will, in turn, report each violation as required to assure notification to the Federal Emergency Management Agency, and the appropriate Environmental Protection Agency Regional Office. (3) The contractor will agree to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal assistance provided by FEMA.

### **COMPLIANCE WITH FEDERAL LAW, REGULATIONS, AND EXECUTIVE ORDER**

FEMA financial assistance will be used to fund the awarded contract only. The contractor will comply with all applicable federal law, regulations, executive orders, FEMA policies, procedures, and directives.

### **CONTRACT TYPE**

The contract awarded as a result of this solicitation will be a firm fixed price contract.

### **CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

For contracts exceeding \$100,000 and which include work performed mechanics and laborers, the following shall apply: (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. (2) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section. (3) Withholding for unpaid wages and liquidated damages. OCFA shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section. (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

### **CONTRACTOR RESPONSIBILITY**

OCFA is required to award contracts only to responsible contractors possessing the ability to perform successfully under the terms and conditions this solicitation and resulting contract. OCFA is required to give consideration to such matters as contractor integrity, compliance with public policy, record of past performance, and financial and technical resources. 2 C.F.R. § 200.318(h).

### **DAVIS BACON ACT & COPELAND ANTI-KICKBACK ACTS**

All prime construction contracts awarded as a result of this solicitation which are in excess of \$2,000 and which are funded by the Emergency Management Preparedness Grant Program, Homeland Security



Grant Program, Nonprofit Security Grant Program, Tribal Homeland Security Grant Program, Port Security Grant Program, and Transit Security Grant Program, must comply with the Davis-Bacon Act (40 U.S.C. §§ 3141-3144 and 3146-3148) as supplemented by Department of Labor regulations at 29 C.F.R. Part 5 (Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction). Contracts subject to compliance with the Davis Bacon Act must also comply with the Copeland “Anti- Kickback” Act: (1) The awarded contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this section. (2) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses. (3) Breach. A breach of the contract clauses above may be grounds for termination of the contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

### **DEBARMENT AND SUSPENSION**

This procurement is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such the contractors are required to verify that neither the contractor, its principals (defined at 2 C.F.R. § 180.995), its subcontractors, or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935). Contractors must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into. If it is later determined that the awarded contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. 2 C.F.R. § 200.213.

### **DHS SEAL, LOGO, AND FLAGS**

Contractors shall not use the department of homeland security seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials without specific FEMA pre-approval.

### **EQUAL EMPLOYMENT OPPORTUNITY: FEDERALLY ASSISTED CONSTRUCTION CONTRACTS**

Except as otherwise provided under 41 C.F.R. Part 60, for work performed under contracts that meet the definition of “Federally Assisted Construction Contract” in 41 C.F.R. § 60-1.3 the contractor will agree as follows: (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause. (2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin. (3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. (4) The contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor. (5) The contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or

pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders. (6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this section or with any of the said rules, regulations, or orders, the contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions as may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law. (7) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance provided, however that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.

#### **FEDERAL OBLIGATION**

The federal government is not a party to this solicitation and is not subject to any obligations or liabilities to the non-federal entity, contractor, or any other party pertaining to any matter resulting from the contract awarded as a result of this solicitation.

#### **FEDERAL REQUIREMENTS**

Contractors must comply with all applicable Federal laws, regulations, executive orders, and FEMA requirements.

#### **FEMA GRANT FUNDING**

OCFA will utilize FEMA funding for the contract resulting from this solicitation, in compliance with the terms of its financial assistance award from FEMA.

#### **NEGOTIATION OF PROFIT**

In the event that only one response is received as a result of this solicitation, OCFA is required to negotiate profit as a separate element of the price. 2 C.F.R. § 200.324(b).

#### **ORGANIZATIONAL CONFLICT OF INTEREST**

OCFA is required to exclude contractors that developed or drafted specifications, requirements, statements of work, or invitations for bids or requests for proposals from competing for such procurements in order to ensure objective contractor performance and eliminate unfair competitive advantage. 2 C.F.R. § 200.319(a).

#### **PERSONAL CONFLICTS OF INTEREST**

No employee, officer, or agent of OCFA may participate in the selection, award, or administration of a contract supported by a FEMA award if he or she has a real or apparent conflict of interest. Such a conflict would arise when the employee, officer, or agent, any member of his or her immediate family, his or her partner, or an organization which employs or is about to employ any of these parties, has a financial or other interest in or a tangible personal benefit from a firm considered for award. 2 C.F.R. § 200.318(c)(1)

#### **PROCUREMENT OF RECOVERED MATERIALS**

In the performance of contracts exceeding \$10,000, the Contractor shall make maximum use of products containing recovered materials that are EPA- designated items unless the product cannot be acquired (i) Competitively within a timeframe providing for compliance with the contract performance schedule; (ii) Meeting contract performance requirements; or (iii) At a reasonable price. Information about this requirement, along with the list of EPA-designate items, is available at EPA's Comprehensive Procurement Guidelines web site, <https://www.epa.gov/smm/comprehensive-procurement-guideline-cpg-program>.

### **PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS**

31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the awarded contractor's actions pertaining to the agreement resulting from this solicitation.

### **REMEDIES**

The awarded contractor's failure to comply with any provision of the agreement resulting from this procurement shall constitute a default. If OCFA determines that the Contractor is in default in the performance of any of the terms or conditions of the Agreement, he/she shall provide written notice of such default. The contractor shall have ten (10) days, or such longer period as OCFA may designate, to cure the default by rendering satisfactory performance. In the event that the Contractor fails to cure its default within such period of time, OCFA shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice of any remedy to which OCFA may be entitled at law, in equity, or under this Agreement. The contractor shall be liable for any and all reasonable costs incurred by OCFA as a result of such default. Compliance with the provisions of this section shall not constitute a waiver of any OCFA right to take legal action in the event that the dispute is not cured, provided that nothing herein shall limit OCFA's right to terminate the Agreement without cause.

OCFA may take over the work and prosecute the same to completion by contract or otherwise, and the Contractor shall be liable to the extent that the total cost for completion of the Services required hereunder exceeds the Maximum Contract Amount (provided that the OCFA shall use reasonable efforts to mitigate such damages), and OCFA may withhold any payments to the Contractor for the purpose of set-off or partial payment of the amounts owed the OCFA as previously stated. The withholding or failure to withhold payments to Contractor shall not limit Contractor's liability for completion of the services as provided within the agreement.

In addition to any other rights or remedies, either Party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain injunctive relief, a declaratory judgment, or any other remedy consistent with the purposes of the Agreement.

No delay or omission in the exercise of any right or remedy of a non-defaulting Party on any default shall impair such right or remedy or be construed as a waiver. No consent or approval of OCFA shall be deemed to waiver or render unnecessary OCFA's consent to or approval of any subsequent act of Contractor. Any waiver by either Party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of the Agreement.

Except with respect to rights and remedies expressly declared to be exclusive in the Agreement, the rights and remedies of the parties are cumulative and the exercise by either Party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other Party.

### **RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT**

If OCFA enters into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work, OCFA must comply with the requirements of 37 C.F.R. Part 401 (Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements), and any implementing regulations issued by FEMA.

### **SUBCONTRACTS**

If subcontracts are anticipated or let, contractor must take all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used, in accordance with title 2 CFR Sec.200.321. Affirmative steps must include: (1) placing qualified small and minority businesses and women's business enterprises on solicitation lists; (2) assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; (3) dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; (4) establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; (5) using the services and assistance, as appropriate, of such organizations as the small business administration and the minority business development agency of the department of commerce.

### **TERMINATION FOR CAUSE AND CONVENIENCE**

OCFA reserves the right to terminate the agreement resulting from this solicitation at any time, for cause or for convenience, upon thirty (30) days written notice to the Contractor, except that where termination is due to the fault of the Contractor and constitutes an immediate danger to health, safety and general welfare, the period of notice shall be such shorter time as may be appropriate. Upon receipt of the notice of termination, the Contractor shall immediately cease all work except such as may be specifically approved by OCFA. The Contractor shall be entitled to compensation for all work performed prior to receipt of the notice of termination and for any work authorized by OCFA thereafter. The Contractor may terminate this Agreement, for cause or convenience, upon thirty (30) days written notice to OCFA.

## SECTION V: EVALUATION OF PROPOSALS AND NEGOTIATIONS

### **EVALUATION PROCESS**

Proposals must fully address the evaluation factors; contain references and data to verify qualifications and experience that address the Firm's ability to provide services as outlined in the scope of work. All proposals will be reviewed by an evaluation committee comprised of OCFA staff for compliance with the specifications including documented capability to perform the prescribed work in a satisfactory manner. Respondents should respond to all requirements in the order in which they are presented. Proposals, which appear to be compliant, will be evaluated in accordance with the following:

#### **1. Statement of Qualifications & Experience (maximum points 15)**

This set of criteria assesses the Offeror's history of performance and demonstrated ability and expertise in providing the service based on the responses provided in the transmittal letter and statement of qualifications in addition to the qualifications and experience of key-personnel assigned to the project team and relevant experience of the firm.

#### **2. Ability to meet the specifications (50)**

This set of criteria assesses the technical capabilities of the offeror and how the required specifications are met. The number of exceptions may be taken into consideration as well.

#### **3. Proposed Costs (maximum points 35)**

The lowest price proposal will not necessarily be selected. OCFA is looking for the best value versus the lowest price. The evaluation of each Offeror's cost proposal will be conducted using the following formula:

$$\frac{\text{Total Cost of Lowest Responsive Offer}}{\text{This Proposer's Total Cost}} \times 35 = \text{Awarded Points}$$

Because this proposal is negotiable, all pricing data will remain confidential until after award is made, and there will be no public opening and reading of proposals. OCFA may request a best and final offer from the top ranking firms for further evaluation and consideration. Overall responsiveness to the Request for Proposals is an important factor in the evaluation process.

### **ADDITIONAL INFORMATION ABOUT THE EVALUATION PROCESS**

#### **1. Shortlist**

OCFA reserves the right to shortlist the Offerors on all of the stated criteria. OCFA may determine that short listing is not necessary.

#### **2. Interviews/Demonstrations**

OCFA reserves the right to conduct interviews and/or demonstrations with some or all of the Offerors at any point during the evaluation process. However, OCFA may determine that interviews/demonstrations are not necessary. In the event interviews/demonstrations are conducted, information provided during the interview/demonstration process shall be taken into consideration when evaluating the stated criteria. OCFA shall not reimburse the Offeror for the costs associated with the interview process. Demonstrations will be held at a time and place specified by OCFA. The Firm's key project team members will be invited to attend the interview/demonstration. The interviews will last approximately 60 minutes, with the time allocated between firm's presentation and question and answer period. The firms should be prepared to discuss at the interview, their specific experience providing services similar to

those described in the RFP, project approach, estimated work effort, available resources, and other pertinent things that distinguish your firm from others.

**3. Interview/Demonstration Rating Criteria**

The following criteria and points will be used in evaluating and rating the interviewed firms.

- **Interview/Questions (maximum points 25):**
- **References (maximum points 5)**

The score achieved from the interview will be combined with the scoring for the initial evaluation, for a total. It is OCFA's intent to commence negotiations with the Offeror(s) deemed most advantageous. OCFA reserves the right to re-evaluate the written proposal in light of any additional information provided in the interview process.

**4. Additional Investigations:**

OCFA reserves the right to make such additional investigations as it deems necessary to establish the competence and financial stability of any Offeror submitting a proposal.

**5. Prior Experience:**

Previous experiences with the proposer may be taken into consideration when evaluating qualifications and experience.

**6. Overall Evaluation of the Proposal Response:**

The overall completeness, accuracy and quality of the proposal may be taken into consideration when evaluating the qualifications and experience.

**7. Post-Proposal Discussions with Offerors:**

OCFA reserves the right to conduct post-proposal discussions with any Offeror(s).

**NEGOTIATIONS**

Because this proposal is negotiable, all pricing data will remain confidential until after award is made, and there will be no public opening and reading of proposals. OCFA may request a best and final offer from the top ranking firms for further evaluation and consideration. Overall responsiveness to the Request for Proposals is an important factor in the evaluation process. Offerors shall respond to all requirements in the order in which they are presented. Proposals, which appear to be compliant, shall be evaluated in accordance with the following

The Offeror with the best ranking after negotiations will be recommended for award of the contract. When the evaluation team has completed its review of the proposals and the finalized the negotiated the best and final offer, the Purchasing Department will send a Notice of Intent to Award to the successful Firm. The award may be subject to Executive Committee approval.

**NOTICE OF INTENT TO AWARD/EXECUTION OF CONTRACT**

Following the interviews and final contract negotiations, a notification of OCFA's intent to award contract ("Notice of Intent to Award") will be sent to the successful Offeror(s). Following receipt of the Notice of Intent to Award, and no more than ten (10) days prior to submittal of the recommendation for award of contract to the Executive Committee, the successful Offeror(s) shall submit the following items to the Purchasing & Materials Manager or designee:

OCFA RFP No. JA2487 – 2022 Freightliner Cascadia

- A. Two (2) hard copy originals of the Master Agreement, in a form approved by OCFA General Counsel, signed by an individual(s) duly authorized to bind the Offeror.
- B. Evidence of insurance coverage consisting of certificates of insurance and original endorsements as required per the Master Agreement (see Exhibit "J").

In case of failure of the Offeror(s) to execute and return the Master Agreement and all required documents within the time allowed, the OCFA may, at its option, consider that the Offeror(s) has/have abandoned the contract.

Following the Board of Director's acceptance and approval of the recommendation for award of contract, OCFA shall return one fully executed copy of the Master Agreement to Offeror(s).

## **SECTION VI: PROPOSAL REQUIREMENTS**

To achieve a uniform review process and obtain the maximum degree of comparability, it is required that the proposals be organized in the manner specified below. All Offerors are expected to provide detailed answers to the following points. The answers provided will be relevant in the evaluation process of the proposal. Additional information, if provided, should be separately identified in the proposal.

### **Proposal Response Format:**

Offerors shall submit a written proposal that presents the Offeror's qualifications and understanding of the services to be provided and the work to be performed. Offerors are asked to address each evaluation criterion and to be specific in presenting their qualifications. Your proposal should provide all the information considered pertinent to your qualifications for this project. Proposals shall include, at a minimum, the following:

- 1. Letter of Transmittal:** Exhibit A
- 2. Statement of Qualifications:** Exhibit B
- 3. References:** Exhibit C
- 4. Response to Vehicle Spec # 22-52-01 Freightliner Cascadia:** Exhibit D
- 5. Pricing Page:** Exhibit E
- 6. Party Participant and Agent Disclosure Forms:** Exhibit F
- 7. W-9:** Exhibit G
- 8. Offeror's information:** Exhibit H
- 9. Certification of Proposal:** Exhibit I



# Bid Results

## Bidder Details

Vendor Name	Los Angeles Truck Centers, LLC
Address	2429 S. Peck Road Whittier, California 90601 United States
Respondee	James K. Blakely
Respondee Title	Fleet and Government Sales
Phone	714-357-0024
Email	jblakely@lafreightliner.com
Vendor Type	
License #	CADIR

## Bid Detail

Bid Format	Electronic
Submitted	04/12/2021 2:40 PM (PDT)
Delivery Method	
Bid Responsive	
Bid Status	Submitted
Confirmation #	250000
Ranking	1

## Respondee Comment

## Buyer Comment

## Attachments

File Title	File Name	File Type
ORANGE COUNTY FIRE AUTHORITY.pdf	ORANGE COUNTY FIRE AUTHORITY.pdf	RFP Required Response Forms
Pricing pages exhibit E 33-35 RESJA2487-RFP Solicitation Document.pdf	Pricing pages exhibit E 33-35 RESJA2487-RFP Solicitation Document.pdf	Cost File
RESJA2487-RFP Solicitation Document.pdf	RESJA2487-RFP Solicitation Document.pdf	Response File
		General Attachment
		General Attachment

## **EXHIBIT A: LETTER OF TRANSMITTAL**

**Letter of Transmittal:** The Letter of Transmittal shall be addressed to James Aguila, Assistant Purchasing Agent, OCFA Purchasing Department, and should, at a minimum, contain the following:

- a. Proposer Contact Information: Name, title, telephone, and email of the personnel responsible for the primary communication with the OCFA regarding Proposer's proposal.
- b. An executive summary of the Proposer's understanding of the objectives outlined in the scope of work with a commitment to provide the equipment in accordance with its proposal and the terms and conditions of any contract, which may be awarded pursuant to this RFP.
- c. State the year, make & model of the proposed Freightliner Cascadia Vehicle.
- d. A statement to the effect that the proposal shall remain valid for not less than one hundred and eighty (180) days from the date proposals are due.
- e. A statement summarizing how the Offeror meets the minimum qualifications outlined in Section 2.3 Minimum Qualifications. Attach all applicable licenses and/or certificates.

The Letter of Transmittal should be provided on the firm's letterhead and should be signed by the Prime Consultant or in the case of a joint venture or other joint-prime relationship; an officer of each venture partner shall sign on behalf of the proposing firm. Letter must be signed by an individual authorized to bind the Offeror.

03/31/2021



Mr. James Aquila  
Orange County Fire  
Authority One Fire  
Authority Road Bldg.  
C Irvine, CA 92602

RE: USAR TRUCK

Mr. Aquila,

A. Contact information:

James K. Blakely Fleet and Government Sales

714-357-0024, jblakely@lafreightliner.com

I have over 30 years of experience in commercial and municipal truck sales, have been supplying trucks to OCFA and County of Orange since the late 1990's. Our dealership group supplies trucks to most of the municipalities in Southern Ca. Arizona and Nevada, including multiple state agencies i.e. Caltrans, DFG, DWR etc.

B. Understanding;

OCFA is looking for a new Urban Search and Rescue Transport truck to respond for emergencies throughout the continental United States.

Uptime is critical so a solid dealer network staffed with qualified technicians and parts inventory is critical to your operation. Having nine locations in southern California with Prime Locations Elite certified. Four in Arizona, two in Nevada and three in the southeastern US within our own dealer group we are ready to support your needs. When deployed to other regions other affiliated Freightliner dealers are ready to support your needs as well. I am confident we can meet the expectations of the OCFA.

C. As stated our pricing as shown is good for 2023 model year trucks.

D. Proposal shall be good for upto 180 days or 2023 Model year production, with ever comes first

A model year escalator will apply for 2024 MY not to exceed 5%.

Delivery 180- 365 days based on order board at time purchase order is received.

Call me with any questions, Thank you for your consideration.

Respectfully,

  
James K. Blakely  
Fleet and Government Sales

Corporate Office – 2429 S. Peck Road Whittier CA 90601 T (562) 447-1200 [www.velocityvehiclegroup.com](http://www.velocityvehiclegroup.com)

• LA Freightliner • South Bay Truck Center • San Diego Freightliner • Silver State Truck & Trailer • High Desert Truck & Trailer • Crossroads Equip. Lease & Finance • Select Trucks • Performance Truck & Trailer • Otay Truck & Trailer • TransWest • BusWest • Velocity Truck Rental & Leasing • Velocity Truck Center Ventura County



## EXHIBIT B: STATEMENT OF QUALIFICATIONS QUESTIONNAIRE

**Offerors shall provide a response to EACH of the following items.** Responses shall demonstrate the ability, capacity, experience, and skill of the Offeror, their staff, and their employees to provide the equipment requested. Provide a response to each of the requests below:

1. Provide the firm's detailed information:
  - a. Location of offices
  - b. Location where vehicle will be built
  - c. Local Delivery and Service Facility Location
  - d. Number of years in business
  - e. Number of employees
2. Describe the firm's experience in providing vehicle of similar nature, particularly to public agencies, municipalities, or other governmental agencies.
3. Provide the number of builds currently in process.
4. Does your firm have the sufficient licenses, permits, qualifications, and approvals that are required to do business within the State of California? **Attach copies.**
5. The successful company is required to have a delivery and service facility within fifty (50) driving miles of the OCFA Fleet Services repair facility. In addition, this facility is required to have a minimum of five (5) years of experience in the delivery, repair and maintenance of the vehicle with an adequate covered and lit floor area for the inspection and repair of the vehicle. Please provide the location of the delivery and service facility and describe how the facility meets these requirements.
6. Provide a list of key staff members who will be working on this project and their specific responsibilities with respect to the scope of work. Information should include their experience as related to the scope of work.
7. What is the estimated number of days required for delivery of the vehicle upon receipt of the purchase order?
8. Each offeror shall supply, with their proposal, detailed information on the offeror's ability to perform routine and emergency service on the vehicle after delivery. Detailed information shall be provided on service facilities, availability of parts, personnel, service vehicle, and the type and nature of repair work the offeror is able to provide. Offeror shall state the number of miles from the Purchaser's facility to the nearest fully staffed repair facility operated by the offeror.
9. Quality of Warranty (i.e. description, duration, process for initiating warranty repairs, turnaround, examples of what's covered vs. what's not, availability of extended coverage, etc.
10. Provide a statement summarizing how the Offeror meet the delivery requirements outlined in Section 2.6.4 Delivery.
11. Provide a statement summarizing how the Offeror meet the training requirements outlined in Section 2.6.6 Training.

## Exhibit B

Mr. James Aquila

Orange County Fire Authority  
One Fire Authority Road Bldg. C  
Irvine, CA 92602

RE: USAR

I have 30 years of experience in commercial and municipal truck sales, have been supplying trucks to OCFA and County of Orange since the late 1990's. Our dealership group supplies trucks to most of the municipalities in Southern Ca, Arizona and Nevada, including multiple state agencies i.e. Caltrans, DFG, DWR etc. We have supplied heavy haul, trucks to LA county, DFG, County of Orange etc. We have many projects in process for multiple customers currently.

Los Angeles Freightliner has been in business since 1977, under current ownership since 1998. We have operations in California, Arizona, Nevada, Tennessee and Alabama with gross revenues exceeding one billion dollars annually. Currently we have approximately 2,200 employees across our locations and divisions.

We are licensed by the department of motor vehicle to sell new and used vehicles in the States where we operate.

Los Angeles Truck Centers, LLC a Velocity Truck Center Company has five Elite support locations in Calif with 155 certified technicians. **Whittier Hours: MTWTF - 7:00 am - 8:00 pm, Saturday - 7:30 am - 4:00 pm Fontana: MON-FRI - Open 24 hours, SAT & SUN 6am-6pm**

Parts call center is open seven days a week, M-F 6 am to 10pm, Fontana parts location is open till midnight.

Parts delivery is available 6 days a week

We stock over 29 million dollars of parts inventory in 25,000 sq.ft of warehousing and retail space to meet demands.

During an emergency event we can provide a number for parts access during afterhours.

Truck Chassis will be built in either Cleveland NC or Saltillo, or Santiago, MX

Body will be built and installed in Montebello, CA

Closest service facility for the chassis is 2429 S. Peck Rd. Whittier, CA, Body and lift gate Utilimaster 1130 S. Vail St. Montebello, CA

We have various bodies in process for different customers currently. Estimated around 400 plus for the Calif branches.

Apx 250-365 Days to deliver

See warranty information

Staff training will be done on site on both chassis, and body/lift gate operations.



**EXHIBIT C: REFERENCES**

Describe fully at least four contracts for similar Vehicles provided by your firm to public entities, preferably located in Southern California, which were manufactured by the firm's company and are currently in service. It is the Contractors responsibility to ensure that the firm's name, and point of contact's name, title and phone number for each reference is accurate. Attach additional pages if needed. OCFA reserves the right to contact each of the references listed for additional information regarding their experience with your company. If similar vehicle are not located in Southern California, inspection of such vehicle may be requested, and if so, shall be provided by the successful offeror for up to four (4) persons at no expense to the OCFA.

Customer Agency Name	City of Riverside Fire Dept
Contact Name and Title	Josh Fudge
E-mail/Telephone number	951-351-6260
Freightliner Cascadia: Year/Make/Model/Quantity	Freightliner M2112 USAR
Contract price per vehicle	
Customer Agency Name	City of Ontario
Contact Name and Title	Manuel Rebolledo
E-mail/Telephone number	9093952638
Freightliner Cascadia: Year/Make/Model/Quantity	Various Freightliner and Ford trucks
Contract price per vehicle	
Customer Agency Name	City of Orange
Contact Name and Title	Keith Marian
E-mail/Telephone number	714-532-6488
Freightliner Cascadia: Year/Make/Model/Quantity	Freightliner dump Trucks, Ford water truck
Contract price per vehicle	
Customer Agency Name	City of Newport Beach
Contact Name and Title	Kyle Brodowski
E-mail/Telephone number	949-718-3464
Freightliner Cascadia: Year/Make/Model/Quantity	Freightliner Dumps, Patchers, Cranes
Contract price per vehicle	



## **EXHIBIT D: RESPONSE TO VEHICLE SPECIFICATIONS # 22-52-01 FREIGHTLINER CASCADIA**

### **D1. SPECIFICATIONS**

The proposal must include detailed responses to vehicle specification number 22-52-01 Freightliner Cascadia. A Microsoft Excel file is included with this solicitation to assist vendors in documenting responses to each specification. Include a completed copy of the excel file with the proposal.

Offeror shall indicate “Exceeds” specifications, “Complies” w/ specification, or “no” for each line item in the attached vehicle specification spreadsheet. Comply is defined as an item that is identical to that listed or is an OCFA approved equal.

A letter only, even though written on a company letterhead, will not be accepted. Bid proposals shall be submitted in the same sequence as OCFA specifications for ease of evaluation, comparison and checking of compliance. This document will be the only one used from start to finish of the build, by OCFA personnel.

Any exception(s) or clarifications to this specification shall be noted by the offeror, no matter how seemingly minor. No exception to or deviation from this specification will be considered unless specifically noted by the offeror. Any exception(s) not taken to these specifications shall be assumed by the OCFA to be included as specified, regardless of the cost to the offeror to comply.

OCFA may accept the recommended substitutions if they are determined by the OCFA to be equal to or superior to the item specified.

Instructions directing the OCFA to reference vendor specifications or documents in lieu of providing requested specification information will not be accepted and will be considered as an exception to the specifications.

Submissions taking total exception to these specifications will not be accepted. A letter of compliance only, although written on a company letterhead, will not be accepted. The Orange County Fire Authority and/or its representatives shall not be responsible for errors and/or mistakes made by the bidder in the submission of their bids.

#### **In addition, proposals must also include:**

- The manufacturers build sheet detailing compliance with the description of the vehicle and equipment proposed in specification 22-52-01,
- The required drawings related to the specifications: one (1) original, plus three (3) copies of preliminary vehicle drawings (both full size and 8 ½” x 11”).
- The cubic feet of external and internal compartment space broken down by compartment.

### **D2. TECHNICAL DATA AND DRAWINGS**

Technical data describing the proposed vehicle and all major components shall be submitted with the proposal. Major components include: body, cab/chassis, engine, transmission, front and rear axles, wheels and tires, brakes, steering gear, and other specified components.

All offerors shall include the following technical drawings with their proposal:

- Preliminary drawings of proposed OCFA vehicle
- Turning radius report for the proposed vehicle which shall include the following information:
  - inside turning radius,

- curb-to-curb turning radius, and
- Wall-to-wall turning radius.

The successful offeror shall provide the following:

- Final “as built” drawings of OCFA vehicle shall be provided by to OCFA at time of delivery that include length, width, height, wheelbase, flat ground clearances and angles of approach and departure.
- Final "as built" drawings of OCFA vehicle shall be provided to OCFA by time of delivery that include all electrical, air, and mechanical systems.

All drawings (for both proposed and “as-built” vehicle) shall be provided in full-size (approximately 34” x 22” for readability and clarity) and 8 ½” x 11”. Drawings shall be made available in color to show all electrical circuits and wiring.

Engineering, design, and construction of the vehicle as specified in these specifications will be under the direct supervision of a licensed mechanical engineer.

Data required from the manufacturer for each major component shall include the make and model.

The manufacturer shall provide total weight certification (GVW and GAW) which includes rated axle capacities with all seat positions filled and fuel tank full. Maximum compartment loads may be provided.

Manufacturer shall also provide road performance guarantees including: acceleration, top speed, grade-ability, braking, etc.

Vehicle turning radius (right and left) and rated axle capacity data shall be provided.

Materials, type of construction and general drawings showing compartment size, seating arrangements, controls and instrument panel layout shall be provided.



2022 FREIGHTLINER CASCADIA VEHICLE SPECIFICATION # 22-52-01						
RFP JA2487						
<p>BID REQUIREMENTS: THE FOLLOWING SPECIFICATIONS DESCRIBE A 2022 FREIGHTLINER CASCADIA 116 INCH SLEEPER CAB TO BE USED BY THE ORANGE COUNTY FIRE AUTHORITY. THE APPARATUS SHALL BE A NEW CURRENT ADVERTISED MODEL BUILT BY A WELL-ESTABLISHED MANUFACTURER OF THIS TYPE OF VEHICLE. THE APPARATUS FURNISHED SHALL CONFORM TO THIS PROPOSED SPECIFICATION. IF THE BIDDER WISHES TO CHANGE FROM THESE SPECIFICATIONS THE BIDDER SHALL INDICATE THE CHANGE, CHECK THE PARAGRAPH IN THE COLUMN "NO", DOES NOT COMPLY, AND A DETAILED DESCRIPTION MUST ACCOMPANY THE PROPOSAL ON WHAT THE BIDDER IS PROPOSING TO DO OR SUPPLY. EACH PROPOSAL SHALL BE ACCOMPANIED WITH THE MANUFACTURERS BUILD SHEET DETAILING COMPLIANCE WITH THE DESCRIPTION OF THE APPARATUS AND EQUIPMENT PROPOSED BELOW. IT IS NOT THE OCFA'S INTENT TO RESTRICT OR LIMIT COMPETITION WITH THE SPECIFICATIONS, BUT TO PROVIDE PROSPECTIVE BIDDERS ENOUGH INFORMATION AS TO THE OCFA'S NEEDS.</p> <p>EXCEPTIONS: ANY EXCEPTIONS OR CLARIFICATIONS TAKEN SHALL BE DESCRIBED IN THE EXCEPTIONS COLUMN FOR EACH CORRESPONDING LINE ITEM. NO EXCEPTION TO OR DEVIATION FROM THIS SPECIFICATION WILL BE CONSIDERED UNLESS SPECIFICALLY NOTED BY THE OFFEROR. ANY EXCEPTIONS(S) NOT TAKEN TO THESE SPECIFICATIONS SHALL BE ASSUMED BY THE OCFA TO BE INCLUDED AS SPECIFIED, REGARDLESS OF THE COST TO THE OFFEROR TO COMPLY.</p>						
PROPOSER:		Los Angeles Truck Centers, LLC				
PROPOSED VEHICLE (YEAR/MAKE/MODEL):		2023 Cascadia PC116				
VEHICLE CONFIGURATION	1	NEW CASCADIA 116 INCH SLEEPER CAB	YES			
	2	2022 MODEL YEAR SPECIFIED	2022/2023 base on order date			
	3	SET BACK AXLE - TRUCK	YES			
	4	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	YES			
	5	LH PRIMARY STEERING LOCATION	YES			
GENERAL SERVICE	6	TRUCK/TRAILER CONFIGURATION	YES			
	7	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)	YES			
	8	LINEHAUL/LONG HAUL SERVICE	YES			
	9	GOVERNMENT BUSINESS SEGMENT	YES			
	10	GENERAL FREIGHT COMMODITY	YES			
	11	TERRAIN/DUTY:100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS	YES			
	12	MAXIMUM 8% EXPECTED GRADE	YES			
	13	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE INTRANSIT (BETWEEN SITES) ROAD SURFACE	YES			
	14	FREIGHTLINER LEVEL I WARRANTY	YES			
	15	EXPECTED FRONT AXLE(S) LOAD : 14600.0 lbs	YES			
	16	EXPECTED REAR DRIVE AXLE(S) LOAD: 40000.0 lbs	YES			

GENERAL SERVICE (CONTINUED)	17	EXPECTED GROSS VEHICLE WEIGHT CAPACITY: 54600.0 lbs	YES			
	18	EXPECTED GROSS COMBINATION WEIGHT: 80000 0 lbs	YES			
TRUCK SERVICE	19	UTILIMASTER	YES			
	20	DRY VAN BODY	YES			
	21	EXPECTED TRUCK BODY LENGTH: 24.6 FT	YES			
	22	EXPECTED TRUCK BODY WIDTH: 102.0 IN	YES			
	23	EXPECTED TRUCK BODY HEIGHT: 108 IN	YES			
	24	UTILI-PLATE BOTH SIDES WHITE COLOR INTERIOR OF VAN BODY	YES			
	25	1-1/8" APITONG HDWOOD FLOOR	YES			
	26	ONE PIECE SLUM ROOF W/ ROOF BOWS 24" ON CENTER	YES			
	27	UTILI-PLATE BULKHEAD	YES			
	28	PREMIUM PLATE WHITING ROLL UP DOOR	YES			
	29	12" CENTERED, 4" STEEL I-BEAMS ON 4" LONGS	YES			
	30	ALUM CORNER CAPS, STAINLESS STEEL FRONT RADIUS & CORNER POSTS	YES			
	31	MUD FLAPS & 2 GRAB HANDLES & BACK PLUS DOT APPROVED RUNNING LIGHTS AS REQUIRED	YES			
	32	STAINLESS STEEL REAR DOOR FRAME	YES			
	33	DOUBLE LOGISITIC POSTS, BOTH SIDES, DOUBLE SLATED	YES			
	34	2" BLOCK FOAM INSULATION AT SIDE WALLS, FRONT BULKHEAD, & CEILING	no			ceilings 2", walls and bulkhead 1"
	35	INSTALL BLACK COLOR COMPOSITE SCUFF PLATE. 12" HIGH ON SIDES	Yes			
	36	FORKLIFT PACKAGE AT REAR	Yes			
	37	STEEL WHEEL PANS OVER REAR TIRES AS NEEDED, BOTH DRIVER SIDE AND PASSENGER SIDE	Yes			

TRUCK SERVICE (CONTINUED)	38	FRONT BULKHEAD REINFORCEMENT	Yes			
	39	3/8" PLYWOOD LINING SIDES ON EXISTING LOGISTICS POSTS, SIDES AND FRONT	Yes			
	40	3/8" PLYWOOD AT CEILING ON EXISTING ROOF BOWS	Yes			
	41	ONE (1) SIDE SWING DOOR, 50"W X 80"H, WITH STEP AND GRAB HANDLE	Yes			
	42	ALUMINUM PULL OUT STAIRS AT SIDE DOOR AREA W/ DETACHABLE HAND RAIL & NON SKID TREAD STEPS	Yes			
	43	THREE (3) 18" INTERIOR LED LIGHTS, MAXXIMA MODEL M84415, INSTALLED ON INTERIOR CEILING	Yes			
	44	ONE (1) GIRARD G-2000 12V POWER AWNING, 22' FT. 11" LONG, LEGLESS TYPE	Yes			
	45	110V ELECTRICAL PANEL AND PLUGS	Yes			
	46	TWO (2) ALUMINUM TOOL BOXES, 60" LONG X 26" DEEP X 26" HIGH W/ TWO (2) WHALE TAIL STYLE LOCKING LATCHES	Yes			
	47	PALFINGER ILD-55 DIRECT LIFT UNIT, 5.5K LBS. CAP., 84 X 86 ALUMINUM PLATFORM + 16" ALUM RETENTION RAMP, 102" WIDE WITH 10/2 AMP BATTERY CHARGER	Yes			
	48	DUAL AUX BATTERIES, ODYSSEY 2150 AGM MOUNTED UNDER TRUCK IN LOCKABLE BRACKET WITH ISOLATOR	Yes			
	49	INSTALLATION OF COMFORTPRO DIESEL APU	Yes			
	50	TWO (2) S-POD BANTAM X 8-CIRCUIT CONTROL SYSTEMS AS NEEDED	Yes			
	51	TEN (10) CODE 3 MODEL # M180SMC-RW COMBINATION WARNING LIGHTS WIRED TO ZC CONTROLLER, CA TITLE 13 COMPLIANT	Yes			
	52	TWO (2) 4V3R MOUNTED ON LOWER REAR OF LIGHT PANEL	Yes			
	53	FOUR (4) SPECTRA SCENE LIGHTS 950/SPA950-Q50 12V LED LIGHTS	Yes			
	54	FOUR (4) BAJA DESIGN ANGLED SQUADRON LED PRO LIGHTS, TWO (2) # 492006 AND TWO (2) 552006	Yes			
	55	HOUSE CHARGER / INVERTER (MINIMUM 3000 WATTS) WITH MINIMUM OF TWO (2) DEDICATED 110V DUPLEX OUTLETS (LOCATIONS TO BE CONFIRMED BY OCFA)	Yes			
TRUCK SERVICE (CONTINUED)	56	PREMIER 470A NON AIR PINTEL HOOK TOWING HITCH AND TWO SAFETY D-RINGS	yes air			
	57	CLASS 5 RECEIVER HITCH, 2-1/2" SQUARE RECEIVER	Yes			
	58	SUPPLY AND INSTALL CODE3 MEGATHIN ARROW STICK RED/AMBER ON REAR BOX HEADER	Yes			

	59	SUPPLY/INSTALL Z3 SIREN/ PA WITH TWO SPEAKERS	Yes			
	60	SUPPLY /INSTALL ONE (1) FRONT INTERIOR WINDSHIELD EYEBROW RED/WHITE LED LIGHT P/N 39-30006-CM-RAW	Yes			
TRACTOR SERVICE	61	VAN TRAILER	Yes			
	62	SINGLE (1) TRAILER	Yes			
ENGINE	63	DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM	YES			
ELECTRONIC PARAMETERS	64	65 MPH ROAD SPEED LIMIT	YES			
	65	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT, WITH AUTO RESUME AFTER SHIFT	YES			
	66	1650 RPM LIMIT FOR LOW GEARS, 1650 RPM LIMIT FOR MIDDLE GEARS, 1650 RPM LIMIT FOR HIGH GEARS	YES			
	67	FLEET MANAGEMENT - DAILY ENGINE USAGE ENABLED	YES			
	68	5 MINUTES IDLE SHUTDOWN WITH CLUTH AND SERVICE BRAKE OVERRIDE	YES			
	69	ENGINE BRAKE WITH GLOBAL CRUISE CONTROL ENABLED	YES			
	70	MAINTENANCE SYSTEM WITH NO POP-UPS AND NO MENU IN CLUSTER	YES			
ENGINE EQUIPMENT	71	2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION	YES			
	72	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)	YES			
	73	STANDARD OIL PAN	YES			
	74	ENGINE MOUNTED OIL CHECK AND FILL	YES			
	75	DUAL SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER	YES			
	76	DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTER VOLTAGE SENSE	YES			
	77	(4) NORTHSTAR ULTRA HIGH PERFORMANCE ABSORBED GLASS MAT NSB-AGM31, GROUP 31, 12 VOLT 4600 CCA THREADED STUD BATTERIES, DTNA WARRANTY INCLUDED	YES			
	78	STEEL BATTERY BOX WITH ENCLOSED TRAY	YES			
	79	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB.	YES			

ENGINE EQUIPMENT (CONTINUED)	80	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN	YES			
	81	PLASTIC BATTERY BOX COVER	YES			
	82	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	YES			
	83	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	YES			
	84	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	YES			
	85	DETROIT HEAVY DUTY AUTOMATED MANUAL TRANSMISSION CLUTCH	YES			
	86	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE	YES			
	87	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR	YES			
	88	AIR COMPRESSOR DISCHARGE LINE	YES			
	89	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECT ON SYSTEM	YES			
	90	JACOBS COMPRESSION BRAKE, STOP LAMPS ACTIVATE AT 70% RETARDATION	YES			
	91	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE	YES			
	92	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER	YES			
	93	STANDARD EXHAUST SYSTEM LENGTH	YES			
	94	RH STANDARD HORIZONTAL TAILPIPE	YES			
	95	23 GALLON DIESEL EXHAUST FLUID TANK	YES			
	96	100 PERCENT DIESEL EXHAUST FLUID FILL	YES			
	97	LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION	YES			
	98	STANDARD DEF TANK CAP IN CENTER PANEL CUTOUT	YES			
	99	AIR POWERED ON/OFF ENGINE FAN CLUTCH	YES			
	100	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED	YES			

ENGINE EQUIPMENT (CONTINUED)	101	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR	YES			
	102	FULL FLOW OIL FILTER	YES			
	103	1400 SQUARE INCH FUEL ECONOMY RADIATOR	YES			
	104	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT	YES			
	105	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT	YES			
	106	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES	YES			
	107	HDEP VARIABLE SPEED COOLANT PUMP AND RADIATOR DRAIN VALVE	YES			
	108	LOWER RADIATOR GUARD	YES			
	109	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	YES			
	110	PHILLIPS-TEMRO 300 WATT/115VOLT OIL PREHEATER	YES			
	111	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR	YES			
	112	ALUMINUM FLYWHEEL HOUSING	YES			
	113	MITSUBISHI 12V MOD 3.175-DP60 STARTER WITH INTEGRATED MAGNETIC SWITCH	YES			
TRANSMISSION	114	DT12-1650-OH ON-HIGHWAY 12-SPEED OVERDRIVE AUTOMATED MANUAL TRANSMISSION	YES			

TRANSMISSION EQUIPMENT	115	DT12 PERFORMANCE PACKAGE: PERFORMANCE ONLY, WITH ICU CONTROL MENUS, WITH KICKDOWN	?			
	116	12 FORWARD GEARS SELECTABLE DT12 MANUAL MODE	YES			
	117	REVERSE GEAR RANGE LIMITED TO 2ND GEAR	YES			
	118	ALUMINUM CLUTCH HOUSING	YES			
	119	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION FILL AND DRAIN, AXLE(S) FILL AND DRAIN	YES			
	120	HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED	YES			
	121	AIR TO OIL TRANSMISSION COOLER	YES			
	122	SYNTHETIC TRANSMISSION LUBE	YES			
FRONT AXLE AND EQUIPMENT	123	DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	YES			
	124	BENDIX ADB22X AIR DISC FRONT BRAKES	YES			
	125	NON-ASBESTOS FRONT BRAKE LINING	YES			
	126	FRONT DISC BRAKE ROTORS	YES			
	127	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL	YES			
	128	STANDARD SPINDLE NUTS FOR ALL AXLES	YES			
	129	FRONT AIR DISC BRAKE INTERNAL ADJUSTERS	YES			
	130	TRW TAS-85 POWER STEERING	YES			
	131	POWER STEERING PUMP	YES			
	132	2 QUART SEE THROUGH POWER STEERING RESERVOIR	YES			
	133	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE	YES			

FRONT SUSPENSION	134	14,600# TAPERLEAF FRONT SUSPENSION	YES			
	135	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION	YES			
	136	FRONT SHOCK ABSORBERS	YES			
REAR AXLE AND EQUIPMENT	137	MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE	YES			
	138	3.36 REAR AXLE RATIO	YES			
	139	IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING	YES			
	140	RPL25 MERITOR MAIN DRIVELINE	YES			
	141	RPL20 MERITOR INTERAXLE DRIVELINE	YES			
	142	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES	YES			
	143	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AND REAR-REAR AXLE VALVE	YES			
	144	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH	YES			
	145	INDICATOR LIGHT FOR EACH DRIVER CONTROLLED TRACTION DEVICE SWITCH	YES			
	146	BENDIX ADB22X AIR DISC REAR BRAKES	YES			
	147	NON-ASBESTOS REAR BRAKE LINING	YES			
	148	STANDARD BRAKE CHAMBER LOCATION	YES			
	149	REAR DISC BRAKE ROTORS	YES			
	150	REAR BRAKE DUST SHIELDS	YES			
	151	REAR OIL SEALS	YES			
	152	AIR DISC LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS	YES			
	153	REAR AIR DISC BRAKE INTERNAL ADJUSTERS	YES			
REAR AXLE AND	154	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE	YES			



EQUIPMENT						
	155	ARVINMERITOR METAL/COMPOSITE FITTING AND U-TUBE REAR AXLE BREATHER(S)	YES			
REAR SUSPENSION	156	AIRLINER 40,000# LIGHTWEIGHT EXTRA DUTY REAR SUSPENSION WITH CHAIN CLEARANCE	YES			
	157	AIRLINER HIGH POSITION RIDE HEIGHT	YES			
	158	RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP	YES			
	159	55 INCH AXLE SPACING	51"			
	160	MANUAL DUMP VALVE FOR AIR SUSPENSION WITH GAUGE	YES			
	161	INDICATOR LIGHT AND BUZZER FOR EACH REAR SUSPENSION CONTROL SWITCH	YES			
	162	DUAL AJR REAR SUSPENSION LEVELING VALVES	YES			
	163	TRANSVERSE CONTROL RODS	YES			
	164	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)	YES			
BRAKE SYSTEM	165	WABCO 6S/4M ABS WITH HILL START AID AND TRACTION CONTROL WITH ATC SHUT OFF SWITCH	YES			
	166	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES	YES			
	167	FIBER BRAID PARKING BRAKE HOSE	YES			
	168	WABCO BRAKE CONTROL VALVES WHERE POSSIBLE	YES			
	169	STD U.S. FRONT BRAKE VALVE	YES			
	170	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE	YES			
	171	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER	YES			
	172	WABCO OIL COALESCING FILTER FOR AIR DRYER	YES			
	173	AIR DRYER MOUNTED UNDER HOOD	YES			
	174	STEEL AIR BRAKE RESERVOIRS MOUNTED INSIDE RAIL AND UNDER BATTERY BOX	YES			
	175	(1) 620 CUBIC INCH ALUMINUM TRANSMISSION AIR TANK, INLET CHECK VALVE	YES			

BRAKE SYSTEM (CONTINUED)	176	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD	YES			
	177	PULL CABLES ON ALL AIR RESERVOIR(S); UNDER BATTERY BOX MOUNTED TANK DRAIN CABLES ACCESSIBLE THROUGH FAIRING KICKPLATE DOOR	YES			
	178	CAB BLOW OUT KIT WITH AIR HOSE AND NOZZLE INSIDE LH CAB ENTRY DOOR	YES			
TRAILER CONNECTIONS	179	NO TRAILER AIR HOSE	YES			
	180	NO AIR HOSE HANGER	YES			
	181	AIR CONNECTIONS TO END OF FRAM WITH GLAD HANDS FOR TRUCK AND DUST COVERS	YES			
	182	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION	YES			
	183	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME	YES			
	184	SUPPLEMENTAL TRAILER WIRING WITH CENTER PIN IGNITION	YES			
	185	NO TRAILER ELECTRICAL CABLE	YES			
WHEELBASE & FRAME	186	7725MM (304 INCH) WHEELBASE	YES			
	187	11.0MM X 85.0MM 287.0MM STEEL FRAME (0.13X3.35X11.30 INCH) 120 KSI	YES			
	188	3050MM (120 INCH) REAR FRAME OVERHANG	YES			
	189	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	YES			
	190	CALC'D BACK OF CAB TO REAR SUSP C/L (CA): 187.79 INCH	YES			
	191	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 184.79 INCH	YES			
	192	CALC'D FRAME LENGTH - OVERALL: -9660.81	YES			
	193	CALCULATED FRAME SPACE LH SIDE : 79.73 INCH	YES			
	194	CALCULATED FRAME SPACE RH SIDE: 95.3 INCH	YES			
	195	CALC'D SPACE AVAILABLE FOR DECKPLATE: 187.66 INCH	YES			
	196	UNDER OR OVERSLUNG CROSSMEMBER	YES			

WHEELBASE & FRAME (CONTINUED)	197	SQUARE END OF FRAME	YES			
	198	FRONT CLOSING CROSSMEMBER	YES			
	199	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER	YES			
	200	STANDARD MIDSHIP #1 CROSSMEMBER(S)	YES			
	201	STANDARD REARMOST CROSSMEMBER	YES			
	202	HEAVY DUTY SUSPENSION CROSSMEMBER	YES			
CHASSIS EQUIPMENT	203	NO LH OR RH BACK OF CAB ACCESS	YES			
	204	NO DECK PLATE	YES			
	205	PAINTED AERODYNAMIC BUMPER	YES			
	206	REMOVABLE FRONT TOW/RECOVERY DEVICE, STORED ON CHASSIS FRAME	YES			
	207	BUMPER MOUNTING FOR (3) LICENSE PLATES	YES			
	208	NO MUDFLAP BRACKETS	YES			
	209	NO REAR MUDFLAPS	YES			
	210	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS	YES			
	211	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS	YES			
	212	FACTORY INSTALLED BENDIX NEXT GEN SMARTIRE TIRE PRESSURE MONITORING SYSTEM WITH WHEEL RIM MOUNTED NEXT GEN SENSORS AND INEGRATED DASH	YES			
	213	12 TON JACK WITH HANDLE AND WHEEL WRENCH	YES			
FIFTH WHEEL	214	NO FIFTH WHEEL	YES			
	215	150 GALLON/567 LITER ALUMINUM FUEL TANK - RH	YES			
	216	150 GALLON/567 LITER ALUMINUM FUEL TANK -LH	YES			
	217	25 INCH DIAMETER FUEL TANK(S)	YES			

FUEL TANKS	218	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS	YES			
	219	FUEL TANK(S) AFT	YES			
	220	15 GALLONS ADDITIONAL FUEL	YES			
	221	PLAIN STEP FINISH	YES			
	222	LOCKING FUEL TANK CAP(S), ALL UNITS KEYED ALIKE	YES			
	223	BALL CHECK DRAIN VALVE(S)	YES			
	224	DETROIT FUEL/WATER SEPARATOR WITH BYPASS AND 12VOLT PREHEATER	YES			
	225	EOUIFLO INBOARD FUEL SYSTEM	YES			
	226	AUXILIARY FUEL SUPPLY AND RETURN PORTS LOCATED ON RH FUEL TANK	YES			
	227	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE	YES			
	228	INSULATION FOR FUEL LINES	YES			
TIRES	229	MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES	YES			
	230	MICHELIN XDN2 11R22.6 16 PLY RADIAL REAR TIRES	YES			
	231	MICHEL XZE 1 2R22.5 16 PLY RADIAL SPARE TIRE	YES			
HUBS	232	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	YES			
	233	CONMET PRESET PLUS PREMIUM ALUMINUM REAR HUBS	YES			
WHEELS	234	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT 5.80 INSET ALUMINUM DISC FRONT WHEELS	YES			
	235	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS	YES			
	236	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC SPARE WHEEL	YES			
	237	BENDIX SMARTIRE TIRE PRESSURE MONITOR ING SYSTEM WHEEL/RIM MOUNTED SENSORS, TIRE MOUNTER INSTALLED	YES			
	238	FRONT WHEEL MOUNTING NUTS	YES			

	239	REAR WHEEL MOUNTING NUTS	YES			
	240	CHROME WHEEL NUT COVERS, METAL AND V2B DUAL SEAL INFLATOR CAPS, FRONT AND REAR	YES			
CAB EXTERIOR	241	116 INCH BBC ALUMINUM CONVENTIONAL CAB	YES			
	242	RH CAB DOOR(S) WITH 70 DEGREE DOOR STOP	YES			
	243	LH CAB DOOR(S) WITH 70 DEGREE DOOR STOP	YES			
	244	60 INCH RAISED ROOF SLEEPER CAB	YES			
	245	NO AIR SHIELD OR BRACKETS	YES			
	246	NO SIDE EXTENDERS	YES			
	247	UNDER CAB VANITY PANELS	YES			
	248	PAINTED FRAME SIDE FAIRINGS TO BACK OF CAB	YES			
	249	LATCHED FRONT LEFT SIDE FAIRING PANEL FOR BATTERY ACCESS	YES			
	250	LH AND RH BAGGAGE DOORS	YES			
	251	AIR CAB MOUNTING	YES			
	252	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE	YES			
	253	SAFETY YELLOW INTERIOR GRAB HANDLES	YES			
	254	MOLD-IN COLOR GRILLE	YES			
	255	BLACK HOOD MOUNTED AIR INTAKE GRILLE	YES			
	256	AERODYNAMIC HOOD	YES			
	257	HOOD OPENING ASSIST	with locking strut			
	258	NEW CASCADIA NAMEPLATE	YES			
	259	SINGLE AIR HORN UNDER LH DECK	YES			

CAB EXTERIOR (CONTINUED)	260	SINGLE ELECTRIC HORN	Yes			
	261	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME	Yes			
	262	KEY QUANTITY OF 4	Yes 5			
	263	REAR LICENSE PLATE MOUNT END OF FRAME	Yes			
	264	LED LOW BEAM AND HIGH BEAM HEADLIGHTS	Yes			
	265	VISOR MOUNTED LED MARKER LIGHTS	Yes			
	266	LED FOG LIGHTS	Yes			
	267	HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS	Yes			
	268	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS	Yes			
	269	LED SIDE TURN SIGNAL	Yes			
	270	SWITCH, INDICATOR LIGHT AND APPROXIMATELY 10 FEET OF WIRE ON CHASSIS LH AT BACK OF CAB FOR CUSTOMER FURNISHED UTILITY LIGHT(S)	Yes			
	271	DUAL BRIGHT FINISH HEATED AERODYNAMIC MIRRORS WITH INTEGRAL CONVEX AND LH AND RH REMOTE	Yes			
	272	DOOR MOUNTED MIRRORS	Yes			
	273	RH DOWN VIEW MIRROR	Yes			
CAB EXTERIOR (CONTINUED)	274	RH AND LH HEATED BRIGHT FINISH HOOD/FENDER MOUNTED MIRRORS	Yes			
	275	STANDARD SIDE/REAR REFLECTORS	Yes			
	276	ELECTRIC HORN WARNING SYSTEM FOR PARK BRAKE NOT SET WITH DOOR OPEN AND ALL IGNITION KEY POSITIONS	Yes			
	277	NO SLEEPER VENT	Yes			
	278	EXTERIOR SUN VISOR	Yes			
	279	SOLAR TINTED DOOR GLASS LH AND RH WITH TINTED FORWARD SIDE GLASS	Yes			
	280	RH AND LH ELECTRIC POWERED WINDOWS	Yes			

	281	LH AND RH SOLAR TINTED AND SCREENED CRANK OUT SLEEPER CAP WINDOWS	Yes			
	282	LH AND RH TINTED AND SCREENED SLIDING WINDOWS	Yes			
	283	1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD	Yes			
	284	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR	Yes			
CAB INTERIOR	285	SLATE GRAY BASE LEVEL INTERIOR	Yes			
	286	SLATE GRAY WITH TECH HARD TRIM	Yes			
	287	STANDARD LH DOOR TRIM	Yes			
	288	STANDARD RH DOOR TRIM	Yes			
	289	BLACK MATS	Yes			
	290	BLACK MAT IN SLEEPER AREA	Yes			
	291	BLACK MATS IN BAGGAGE COMPARTMENT	Yes			
	292	(3) DASH MOUNTED POWER OUTLETS AND COIN TRAY	Yes			
	293	SLEEPER TALL CLOSET WITH WRITING SURFACE AND UPPER STORAGE	Yes			
	294	MICROWAVE SHELF WITH UPPER STORAGE AND CUSTOMER FURNISHED FRIDGE/COOLER	Yes			
	295	FORWARD ROOF MOUNTED CONSOLE WITH DOORS RH AND LH	Yes			
	296	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS	Yes			
	297	STORAGE POCKET(S) MOUNTED INSIDE CABINET DOOR(S)	Yes			
	298	35 INCH WIDE LIFTABLE LOWER BUNK	Yes			
	299	FOLDABLE UPPER BUNK	Yes			
	300	TENT STYLE LOWER BUNK RESTRAINT	Yes			
	301	DIGITAL ALARM CLOCK IN DRIVER DISPLAY	Yes			

CAB INTERIOR (CONTINUED)	302	WING DASH WITH E-VAULT	Yes	
	303	5 LB. FIRE EXTINGUISHER	Yes	
	304	FIRST AID KIT	Yes	
	305	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL	Yes	
	306	HVAC DUCTING WITH MAINFRESH AIR FILTER	Yes	
	307	MAIN HVAC CONTROLS WITH RECIRCULAT ON SWITCH	Yes	
	308	AUXILIARY HEATER/AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL	Yes	
	309	STANDARD HEATER PLUMBING	Yes	
	310	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR	Yes	
	311	RADIATOR MOUNTED AIR CONDITIONER CONDENSER	Yes	
	312	BINARY CONTROL, R-134A	Yes	
	313	PREMIUM INSULATION	Yes	
	314	AUTOMATIC SELF-RESET CIRCUIT BREAKERS	Yes	
	315	12V NEGATIVE GROUND ELECTRICAL SYSTEM	Yes	
	316	DOOR AND BUNK ACTIVATED LH AND RH BUNK MOUNTED LED BAGGAGE COMPARTMENT LIGHTS	Yes	
	317	PREMIUM LED CAB LIGHTING	Yes	
	318	PREMIUM LED SLEEPER LIGHTING	Yes	
	319	LH AND RH ELECTRIC DOOR LOCKS	Yes	
	320	BLACK DOOR HANDLES	Yes	
	321	QUILTED SPRING MATTRESS IN LOWER BUNK AND SPRING MATTRESS IN UPPER BUNK	Yes	
	322	(4) 12 VOLT POWER OUTLETS; (2) IN BUNK AND (2) INSLEEPER PANEL	Yes	



CAB INTERIOR (CONTINUED)	323	AC 120 VOLT CAB WIRING AND AC OUTLET WITH SHORE POWER ONLY	Yes			
	324	CAB PRIVACY CURTAIN	Yes			
	325	PREP FOR CUSTOMER FURNISHED REFRIGERATOR	Yes			
	326	TRIANGULAR REFLECTORS WITHOUT FLARES	Yes			
	327	ELITE 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT W/2 AIR LUMBAR, ACTIVE BOLSTER, INTEGRATED CUSHION EXTENSION, TILT. ADJUSTABLE SHOCK, MAP POCKET, HEAT & VENTILATION	Yes			
	328	ELITE 2.0 HIGH BACK AIR SUSPENSION PASSENGER SEAT W/2 AIR LUMBAR. ACTIVE BOLSTER, INTEGRATED CUSHION EXTENSION, TILT, ADJUSTABLE SHOCK, MAP POCKET, HEAT & VENTILAT ON	Yes			
	329	BLACK SUSPENSION COVER FOR DRIVER AND PASSENGER SEATS	Yes			
	330	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	Yes			
	331	BLACK MORDURA CLOTH DRIVER SEAT COVER	Yes			
	332	BLACK MORDURA CLOTH PASSENGER SEAT COVER	Yes			
	333	3 POINT HIGH VISIBILITY ORANGE ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS	Yes			
CAB INTERIOR (CONTINUED)	334	STEERING WHEEL/AIR BAG SUPPLEMENTAL RESTRAINT SYSTEM	Yes			
	335	SLEEPER CURTAIN	Yes			
	336	ADJUSTABLE TILT AND TELESOPING STEERING COLUMN	Yes			
	337	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES	Yes			
	338	DRIVER AND PASSENGER INTERIOR SUN VISORS WITH VANITY MIRRORS	Yes			
	339	ELECTRONIC ACCELERATOR CONTROL WITH KICKDOWN FEATURE	Yes			
	340	STANDARD CENTER INSTRUMENT PANEL	Yes			
	341	BLACK GAUGE BEZELS	Yes			
	342	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM	Yes			
	343	(1) SINGLE BRAKE APPLICATION AIR GAUGE	Yes			

INSTRUMENTS & CONTROLS	344	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE	Yes			
	345	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS	Yes			
	346	PRECO/ECCO 1040 87 DECIBELS TO 112 DECIBELS AUTOMATIC SELF-ADJUSTING BACKUP ALARM	Yes			
	347	ELECTRONIC CRUISE CONTROL WITH INTELLIGENT POWERTRAIN MANAGEMENT AND CONTROLS ON STEERING WHEEL SPOKES	Yes			
	348	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY	Yes			
	349	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY	Yes			
	350	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY	Yes			
	351	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH	Yes			
	352	2 INCH ELECTRIC FUEL GAUGE	Yes			
	353	FUEL FILTER RESTRICTION INDICATOR	Yes			
INSTRUMENTS & CONTROLS (CONTINUED)	354	EMISSIONS LIMITED IDLE ADJUST	Yes			
	355	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE	Yes			
	356	DIGITAL ENGINE OIL TEMPERATURE IN DRIVER DISPLAY	Yes			
	357	DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY	Yes			
	358	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER	Yes			
	359	ENGINE, TRIP AND PTO HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY	Yes			
	360	DETROIT ASSURANCE 5.0 COLLISION MITIGATION SYSTEM, ADAPTIVE CRUISE CONTROL, W/ADJUSTABLE HEADWAY CONTROL	Yes			
	361	NO MIRROR CAMERA SYSTEM	Yes			
	362	ELECTRONIC STABILITY CONTROL	Yes			
	363	DETROIT ASSURANCE 5.0 LANE DEPARTURE WARNING SYSTEM WITH 15 MINUTE OFF TIMEOUT DASH SWITCH	Yes			
	364	TRAFFIC SIGN DISPLAY	Yes			

	365	ELECTRIC ENGINE OIL PRESSURE GAUGE	Yes			
	366	AM/FM/WB WORLD TUNER RADIO WITH SIRIUSXM, IPOD INTERFACE, USB AND AUXILIARY INPUTS, J1939	Yes			
	367	DASH MOUNTED RADIO	Yes			
	368	STANDARD SPEAKER SYSTEM	Yes			
	369	60 INCH (SLEEPER) OR 54 INCH (DAY CAB) AM/FM ANTENNA MOUNTED ON RH REAR CAB/SLEEPER WALL WITH RG62 CABLE	Yes			
	370	POWER AND GROUND STUDS ON TOP OF DASH	st over head console			
	371	TOP OF DASH MOUNT CB RADIO PROVISION WITH PLATE AND STRAPS	Yes			
	372	INTEGRATED AERO-ROOF CB ANTENNA	Yes			
	373	HEADLINER MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, GNSS/GPS	Yes			
INSTRUMENTS & CONTROLS (CONTINUED)	374	INTEROPERABLE SDAR ANTENNA	Yes			
	375	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER	Yes			
	376	STANDARD VEHICLE SPEED SENSOR	Yes			
	377	ELECTRONIC 2500 RPM TACHOMETER	Yes			
	378	DETROIT CONNECT PLATFORM HARDWARE	Yes			
	379	5 YEARS DETROIT CONNECT SAFETY EVENT VIEWER PACKAGE FOR DETROIT ASSURANCE (INCLUDES BASE PACKAGE FEATURES)	Yes			
	380	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL	Yes			
	381	IGNITION SWITCH CONTROLLED ENGINE STOP	Yes			
	382	TWO ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT	Yes			
	383	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY	Yes			
	384	STEERING WHEEL MOUNTED ELECTRIC HORN CONTROL	Yes			
	385	BW TRACTOR PROTECTION VALVE	Yes			

	386	TRAILER HAND CONTROL BRAKE VALVE	Yes			
	387	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY	Yes			
	388	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY	Yes			
	389	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS	Yes			
	390	TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR	Yes			
	391	MANUAL TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT	Yes			
	392	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY				
DESIGN	393	PAINT: ONE SOLID COLOR	Yes			

COLOR	394	CAB COLOR A: L0006EY WHITE ELITE EY	Yes			
	395	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT	Yes			
	396	CHASSIS SIDE FAIRINGS PAINTED SAME AS LOWER CAB SECTION OR FENDER	Yes			
	397	BUMPER PAINTED SAME AS FENDERS/LOWER SECTION OF CAB	Yes			
	398	SUNVISOR PAINTED SAME AS CAB COLOR A	Yes			
CERTIFICATION/COMPLIANCE	399	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS	Yes			
SECONDARY FACTORY OPTIONS	400	CEEA+ PRODUCTION SOFTWARE PACKAGE (BISMUTH)	Yes			
WEIGHT SUMMARY	401	FACTORY WEIGHT FRONT: 11,106 LBS	Yes	apx chassis		
	402	FACTORY WEIGHT REAR: 7,410 LBS	Yes	apx chassis		
	403	TOTAL WEIGHT: 18,516 LBS	Yes	apx chassis		

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*A proposal for*  
**Orange County Fire Authority**

*Prepared by*  
**LOS ANGELES FTL - WST**  
*James Blakely*

*Apr 09, 2021*

**Freightliner CA116SLP**



Components shown may not reflect all spec'd options and are not to scale

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## S P E C I F I C A T I O N   P R O P O S A L

Data Code	Description	Weight Front	Weight Rear
<b>Price Level</b>			
PRL-24K	NEW CASCADIA PRL-24K (EFF:01/19/21)		
<b>Data Version</b>			
DRL-012	SPECPRO21 DATA RELEASE VER 012		
<b>Vehicle Configuration</b>			
001-236	NEW CASCADIA 116 INCH SLEEPER CAB	9,835	7,300
004-222	2022 MODEL YEAR SPECIFIED		
002-004	SET BACK AXLE - TRUCK	-10	
019-001	TRAILER TOWING PROVISION AT END OF FRAME FOR TRUCK	10	10
003-001	LH PRIMARY STEERING LOCATION		
<b>General Service</b>			
AA1-003	TRUCK/TRAILER CONFIGURATION		
AA6-001	DOMICILED, USA 50 STATES (INCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
A85-005	LINEHAUL/LONG HAUL SERVICE		
A84-1GM	GOVERNMENT BUSINESS SEGMENT		
AA4-001	GENERAL FREIGHT COMMODITY		
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
AB1-008	MAXIMUM 8% EXPECTED GRADE		
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
995-1AD	FREIGHTLINER LEVEL I WARRANTY		
A66-99D	EXPECTED FRONT AXLE(S) LOAD : 14600.0 lbs		
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD : 40000.0 lbs		
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 54600.0 lbs		
A70-99D	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		





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Data Code	Description	Weight Front	Weight Rear
<b>Truck Service</b>			
AA3-001	DRY VAN BODY		
A88-99D	EXPECTED TRUCK BODY LENGTH : 24.6 ft		
AE2-99D	EXPECTED TRUCK BODY WIDTH : 102.0 in		
AF3-016	UTILIMASTER		
RTK-1AA	APPROVAL TO SHARE SPEC WITH TEM		
<b>Tractor Service</b>			
AA2-001	VAN TRAILER		
AH6-001	SINGLE (1) TRAILER		
<b>Engine</b>			
101-2YB	DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM		
<b>Electronic Parameters</b>			
79A-065	65 MPH ROAD SPEED LIMIT		
79B-006	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT, WITH AUTO RESUME AFTER SHIFT		
79D-050	1650 RPM LIMIT FOR LOW GEARS, 1650 RPM LIMIT FOR MIDDLE GEARS, 1650 RPM LIMIT FOR HIGH GEARS		
79F-013	FLEET MANAGEMENT - DAILY ENGINE USAGE ENABLED		
79G-006	5 MINUTES IDLE SHUTDOWN WITH CLUTCH AND SERVICE BRAKE OVERRIDE		
80C-012	ENGINE BRAKE WITH GLOBAL CRUISE CONTROL ENABLED		
80W-001	MAINTENANCE SYSTEM WITH NO POP-UPS AND NO MENU IN CLUSTER		
<b>Engine Equipment</b>			
99C-017	2016-2019 ONBOARD DIAGNOSTICS/2010 EPA/CARB/FINAL GHG17 CONFIGURATION		
99D-011	2008 CARB EMISSION CERTIFICATION - CLEAN IDLE (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD CORNER OF DRIVER DOOR)		
13E-001	STANDARD OIL PAN		
105-001	ENGINE MOUNTED OIL CHECK AND FILL		
014-1CT	DUAL SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER		
124-1E7	DR 12V 275 AMP 40-SI BRUSHLESS PAD ALTERNATOR WITH REMOTE BATTERY VOLTAGE SENSE	10	

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Data Code	Description	Weight Front	Weight Rear
292-144	(4) NORTHSTAR ULTRA HIGH PERFORMANCE ABSORBED GLASS MAT NSB-AGM31, GROUP 31, 12 VOLT 4600 CCA THREADED STUD BATTERIES, DTNA WARRANTY INCLUDED	43	42
290-1D3	STEEL BATTERY BOX WITH ENCLOSED TRAY		
282-001	SINGLE BATTERY BOX FRAME MOUNTED LH SIDE UNDER CAB		
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
289-006	PLASTIC BATTERY BOX COVER		
293-058	POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	8	
295-029	POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS		
180-1AP	DETROIT HEAVY DUTY AUTOMATED MANUAL TRANSMISSION CLUTCH		
107-044	BW MODEL BA-921 19.0 CFM SINGLE CYLINDER AIR COMPRESSOR WITH SAFETY VALVE		
108-002	STANDARD MECHANICAL AIR COMPRESSOR GOVERNOR		
131-013	AIR COMPRESSOR DISCHARGE LINE		
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
128-1AV	JACOBS COMPRESSION BRAKE, STOP LAMPS ACTIVATE AT 70% RETARDATION		
016-1C3	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH HORIZONTAL TAILPIPE		
28F-014	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER		
239-001	STANDARD EXHAUST SYSTEM LENGTH		
237-052	RH STANDARD HORIZONTAL TAILPIPE		
23U-003	23 GALLON DIESEL EXHAUST FLUID TANK		
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL		
43X-001	LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
43Y-005	STANDARD DEF TANK CAP IN CENTER PANEL CUTOUT		
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH		

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Data Code	Description	Weight Front	Weight Rear
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
110-068	DDC SUPPLIED ENGINE MOUNTED FUEL FILTER/FUEL WATER SEPARATOR WITH WATER-IN-FUEL INDICATOR		
118-001	FULL FLOW OIL FILTER		
266-1C1	1400 SQUARE INCH FUEL ECONOMY RADIATOR		
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES		
270-019	HDEP VARIABLE SPEED COOLANT PUMP AND RADIATOR DRAIN VALVE		
168-002	LOWER RADIATOR GUARD		
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4	
166-005	PHILLIPS-TEMRO 300 WATT/115 VOLT OIL PREHEATER	4	
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
134-001	ALUMINUM FLYWHEEL HOUSING		
155-075	MITSUBISHI 12V MOD 3.175-DP60 STARTER WITH INTEGRATED MAGNETIC SWITCH		

#### Transmission

342-2AV	DT12-1650-OH ON-HIGHWAY 12-SPEED OVERDRIVE AUTOMATED MANUAL TRANSMISSION
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#### Transmission Equipment

343-2BK	DT12 PERFORMANCE PACKAGE: ECONOMY AND PERFORMANCE, WITH ICU CONTROL MENUS, WITH KICKDOWN
84D-007	12 FORWARD GEARS SELECTABLE DT12 MANUAL MODE
85J-004	REVERSE GEAR RANGE LIMITED TO 2ND GEAR
347-002	ALUMINUM CLUTCH HOUSING
341-017	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION FILL AND DRAIN, AXLE(S) FILL AND DRAIN
345-078	HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED
370-002	AIR TO OIL TRANSMISSION COOLER
35T-003	SYNTHETIC TRANSMISSION LUBE

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Data Code	Description	Weight Front	Weight Rear
<b>Front Axle and Equipment</b>			
400-1A8	DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE	10	
402-075	BENDIX ADB22X AIR DISC FRONT BRAKES		
403-002	NON-ASBESTOS FRONT BRAKE LINING		
419-004	FRONT DISC BRAKE ROTORS		
427-001	FRONT BRAKE DUST SHIELDS	5	
409-006	FRONT OIL SEALS		
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL		
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES		
405-030	FRONT AIR DISC BRAKE INTERNAL ADJUSTERS		
536-012	TRW TAS-85 POWER STEERING	40	
539-003	POWER STEERING PUMP		
534-015	2 QUART SEE THROUGH POWER STEERING RESERVOIR		
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
<b>Front Suspension</b>			
620-010	14,600# TAPERLEAF FRONT SUSPENSION	105	
619-005	MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
410-001	FRONT SHOCK ABSORBERS		
<b>Rear Axle and Equipment</b>			
420-1K4	MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE		20
421-336	3.36 REAR AXLE RATIO		
424-003	IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING		30
386-044	RPL25 MERITOR MAIN DRIVELINE	80	80
388-039	RPL20 MERITOR INTERAXLE DRIVELINE		
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		40
878-023	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD- REAR AND REAR-REAR AXLE VALVE		
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH		
87B-008	INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH		
423-075	BENDIX ADB22X AIR DISC REAR BRAKES		

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Data Code	Description	Weight Front	Weight Rear
433-002	NON-ASBESTOS REAR BRAKE LINING		
434-003	STANDARD BRAKE CHAMBER LOCATION		
451-005	REAR DISC BRAKE ROTORS		
425-002	REAR BRAKE DUST SHIELDS		10
440-006	REAR OIL SEALS		
426-094	AIR DISC LONGSTROKE 2-DRIVE AXLES SPRING PARKING CHAMBERS		20
428-030	REAR AIR DISC BRAKE INTERNAL ADJUSTERS		
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
42T-010	ARVINMERITOR METAL/COMPOSITE FITTING AND U-TUBE REAR AXLE BREATHER(S)		

#### Rear Suspension

622-1M7	AIRLINER 40,000# LIGHTWEIGHT EXTRA DUTY REAR SUSPENSION WITH CHAIN CLEARANCE		-40
621-118	7.9 INCH NOMINAL RIDE HEIGHT (415MM GLOBAL REFERENCE HEIGHT)		
431-005	RESTRAINED AXLE SEATS IN AXLE CLAMP GROUP		
624-016	51 INCH AXLE SPACING		
888-048	MANUAL DUMP VALVE FOR AIR SUSPENSION WITH GAUGE		
87D-007	INDICATOR LIGHT AND BUZZER FOR EACH REAR SUSPENSION CONTROL SWITCH		
910-004	DUAL AIR REAR SUSPENSION LEVELING VALVES		
623-002	TRANSVERSE CONTROL RODS		
439-005	REAR SHOCK ABSORBERS - TWO AXLES (TANDEM) (AIR RIDE SUSPENSION)		

#### Brake System

490-115	WABCO 6S/4M ABS WITH HILL START AID AND TRACTION CONTROL WITH ATC SHUT OFF SWITCH		
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
904-001	FIBER BRAID PARKING BRAKE HOSE		
412-003	WABCO BRAKE CONTROL VALVES WHERE POSSIBLE		
413-002	STD U.S. FRONT BRAKE VALVE		
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		

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Data Code	Description	Weight Front	Weight Rear
483-004	WABCO OIL COALESCING FILTER FOR AIR DRYER		
479-012	AIR DRYER MOUNTED UNDER HOOD		
460-082	STEEL AIR BRAKE RESERVOIRS MOUNTED INSIDE RAIL AND UNDER BATTERY BOX		
2TD-001	(1) 620 CUBIC INCH ALUMINUM TRANSMISSION AIR TANK, INLET CHECK VALVE		
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD		
477-062	PULL CABLES ON ALL AIR RESERVOIR(S); UNDER BATTERY BOX MOUNTED TANK DRAIN CABLES ACCESSIBLE THROUGH FAIRING KICKPLATE DOOR		
485-037	CAB BLOW OUT KIT WITH AIR HOSE AND NOZZLE INSIDE LH CAB ENTRY DOOR	2	
<b>Trailer Connections</b>			
481-998	NO TRAILER AIR HOSE	-10	
476-998	NO AIR HOSE HANGER	-2	
914-025	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND DUST COVERS		
296-010	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
297-001	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		
308-020	SUPPLEMENTAL TRAILER WIRING WITH CENTER PIN IGNITION		
331-001	SUPPLEMENTAL J560 7-WAY RECEPTACLE LOCATED WITH PRIMARY RECEPTACLE		
310-998	NO TRAILER ELECTRICAL CABLE	-10	
<b>Wheelbase &amp; Frame</b>			
545-772	7725MM (304 INCH) WHEELBASE		
* 546-1C3	11.0MM X 85.0MM X 287.0MM STEEL FRAME (0.43X3.35X11.30 INCH) 120 KSI	810	100
* 552-009	3050MM (120 INCH) REAR FRAME OVERHANG		
N 55W-009	FRAME OVERHANG RANGE: 91 INCH TO 100 INCH	-60	230
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 187.79 in		
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 184.79 in		
AE4-99D	CALC'D FRAME LENGTH - OVERALL : -9660.81		
FSS-0LH	CALCULATED FRAME SPACE LH SIDE : 81.73 in		

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Data Code	Description	Weight Front	Weight Rear
FSS-0RH	CALCULATED FRAME SPACE RH SIDE : 97.3 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 181.66 in		
560-008	UNDER OR OVERSLUNG CROSSMEMBER		
553-001	SQUARE END OF FRAME		
550-001	FRONT CLOSING CROSSMEMBER		
559-003	LIGHTWEIGHT HEAVY DUTY ALUMINUM ENGINE CROSSMEMBER		
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)		
572-001	STANDARD REARMOST CROSSMEMBER		
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		10
<b>Chassis Equipment</b>			
674-998	NO LH OR RH BACK OF CAB ACCESS	-5	-5
592-998	NO DECK PLATE	-5	-5
556-030	PAINTED AERODYNAMIC BUMPER		
558-070	REMOVABLE FRONT TOW/RECOVERY DEVICE,STORED ON CHASSIS FRAME	15	
574-007	BUMPER MOUNTING FOR (3) LICENSE PLATES		
585-998	NO MUDFLAP BRACKETS		-15
590-998	NO REAR MUDFLAPS		-15
586-015	FRONT ANTI-SPRAY CAB MOUNTED MUDFLAPS		
551-002	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS		
489-031	FACTORY INSTALLED BENDIX NEXT GEN SMARTIRE TIRE PRESSURE MONITORING SYSTEM WITH WHEEL RIM MOUNTED NEXT GEN SENSORS AND INTEGRATED IN DASH	6	6
794-001	12 TON JACK WITH HANDLE AND WHEEL WRENCH	20	
<b>Fifth Wheel</b>			
578-998	NO FIFTH WHEEL	-30	-450
<b>Fuel Tanks</b>			
206-162	150 GALLON/567 LITER ALUMINUM FUEL TANK - RH	20	20
204-162	150 GALLON/567 LITER ALUMINUM FUEL TANK - LH	20	20
218-006	25 INCH DIAMETER FUEL TANK(S)		
215-005	PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH PAINTED BANDS		
212-008	FUEL TANK(S) AFT		

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Data Code	Description	Weight Front	Weight Rear
232-515	15 GALLONS ADDITIONAL FUEL		
664-001	PLAIN STEP FINISH		
205-051	LOCKING FUEL TANK CAP(S), ALL UNITS KEYED ALIKE		
210-006	BALL CHECK DRAIN VALVE(S)		
122-1H2	DETROIT FUEL/WATER SEPARATOR WITH BYPASS AND 12 VOLT PREHEATER	10	
216-020	EQUIFLO INBOARD FUEL SYSTEM		
20E-002	AUXILIARY FUEL SUPPLY AND RETURN PORTS LOCATED ON RH FUEL TANK		
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
213-001	INSULATION FOR FUEL LINES	2	
<b>Tires</b>			
093-994	MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES	50	
094-0GP	MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR TIRES		160
* 510-994	MICHELIN XZE 12R22.5 16 PLY RADIAL SPARE TIRE		118
<b>Hubs</b>			
418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS	60	
450-058	CONMET PRESET PLUS PREMIUM ALUMINUM REAR HUBS		
<b>Wheels</b>			
502-693	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT 5.80 INSET ALUMINUM DISC FRONT WHEELS	-56	
505-693	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-224
50U-998	NO REAR AXLE WHEEL/HUB COVER		
* 511-693	ALCOA LVL ONE 88267X 22.5X8.25 10-HUB PILOT ALUMINUM DISC SPARE WHEEL		70
50W-001	BENDIX SMARTIRE TIRE PRESSURE MONITORING SYSTEM WHEEL/RIM MOUNTED SENSORS, TIRE MOUNTER INSTALLED		16
496-011	FRONT WHEEL MOUNTING NUTS		
497-011	REAR WHEEL MOUNTING NUTS		
498-051	CHROME WHEEL NUT COVERS, METAL AND V2B DUAL SEAL INFLATOR CAPS, FRONT AND REAR		



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Data Code	Description	Weight Front	Weight Rear
<b>Cab Exterior</b>			
829-112	116 INCH BBC ALUMINUM CONVENTIONAL CAB		
653-004	RH CAB DOOR(S) WITH 70 DEGREE DOOR STOP		
651-004	LH CAB DOOR(S) WITH 70 DEGREE DOOR STOP		
682-075	60 INCH RAISED ROOF SLEEPER CAB	-65	-65
784-998	NO AIR SHIELD OR BRACKETS	-5	-5
783-998	NO SIDE EXTENDERS	-40	-40
82A-011	UNDER CAB VANITY PANELS		
782-029	PAINTED FRAME SIDE FAIRINGS TO BACK OF CAB	60	25
779-001	LATCHED FRONT LEFT SIDE FAIRING PANEL FOR BATTERY ACCESS		
770-998	NO AERODYNAMIC SKIRT FOR CHASSIS FAIRINGS		
704-037	LH AND RH BAGGAGE DOORS		
650-008	AIR CAB MOUNTING		
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE		
678-051	SAFETY YELLOW INTERIOR GRAB HANDLES		
646-045	MOLD-IN COLOR GRILLE		
65X-004	BLACK HOOD MOUNTED AIR INTAKE GRILLE		
644-001	AERODYNAMIC HOOD		
67U-001	HOOD OPENING ASSIST WITH LOCKING STRUT		
652-026	NEW CASCADIA NAMEPLATE		
727-1AY	SINGLE AIR HORN UNDER LH DECK		
726-001	SINGLE ELECTRIC HORN		
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME		
78G-005	KEY QUANTITY OF 5		
575-001	REAR LICENSE PLATE MOUNT END OF FRAME		
312-075	LED LOW BEAM AND HIGH BEAM HEADLIGHTS		
302-073	VISOR MOUNTED LED MARKER LIGHTS		
315-070	LED FOG LIGHTS	6	
311-019	HEADLIGHTS ON WITH WIPERS, WITH DAYTIME RUNNING LIGHTS		
294-1AY	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
300-043	LED SIDE TURN SIGNAL		
318-1AD	SWITCH, INDICATOR LIGHT AND APPROXIMATELY 10 FEET OF WIRE ON CHASSIS LH AT BACK OF CAB FOR CUSTOMER FURNISHED UTILITY LIGHT(S)	-6	

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Data Code	Description	Weight Front	Weight Rear
744-1E5	DUAL BRIGHT FINISH HEATED AERODYNAMIC MIRRORS WITH INTEGRAL CONVEX AND LH AND RH REMOTE		
797-001	DOOR MOUNTED MIRRORS		
74A-001	RH DOWN VIEW MIRROR		
74B-1B8	RH AND LH HEATED BRIGHT FINISH HOOD/FENDER MOUNTED MIRRORS	8	
729-001	STANDARD SIDE/REAR REFLECTORS		
275-061	ELECTRIC HORN WARNING SYSTEM FOR PARK BRAKE NOT SET WITH DOOR OPEN AND ALL IGNITION KEY POSITIONS		
776-998	NO SLEEPER VENT	-10	
764-016	EXTERIOR SUN VISOR	28	
661-016	SOLAR TINTED DOOR GLASS LH AND RH WITH TINTED FORWARD SIDE GLASS		
654-011	RH AND LH ELECTRIC POWERED WINDOWS		
76Z-007	LH AND RH SOLAR TINTED AND SCREENED CRANK OUT SLEEPER CAP WINDOWS		
767-053	LH AND RH TINTED AND SCREENED SLIDING WINDOWS	4	4
663-019	1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD		
659-007	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR		

#### Cab Interior

707-1D7	SLATE GRAY BASE LEVEL INTERIOR		
70K-010	SLATE GRAY WITH TECH HARD TRIM		
706-034	STANDARD LH DOOR TRIM		
708-034	STANDARD RH DOOR TRIM		
772-036	BLACK MATS AND ACCELERATOR RUB PAD		
773-018	BLACK MAT IN SLEEPER AREA		
771-001	BLACK MATS IN BAGGAGE COMPARTMENT		
785-022	(3) DASH MOUNTED POWER OUTLETS AND COIN TRAY		
64D-011	SLEEPER TALL CLOSET WITH WRITING SURFACE AND UPPER STORAGE		
64E-010	MICROWAVE SHELF WITH UPPER STORAGE AND CUSTOMER FURNISHED FRIDGE/COOLER		
691-006	FORWARD ROOF MOUNTED CONSOLE WITH DOORS RH AND LH	2	
693-019	LH AND RH DOOR STORAGE POCKETS INTEGRATED INTO MOLDED DOOR PANELS		

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Data Code	Description	Weight Front	Weight Rear
741-020	STORAGE POCKET(S) MOUNTED INSIDE CABINET DOOR(S)		
826-011	35 INCH WIDE LIFTABLE LOWER BUNK		
745-001	FOLDABLE UPPER BUNK		
666-005	TENT STYLE LOWER BUNK RESTRAINT		
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY		
680-036	WING DASH WITH E-VAULT		
720-003	5 LB. FIRE EXTINGUISHER	10	
714-001	FIRST AID KIT	2	
700-014	HEATER, DEFROSTER AND AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL		
701-002	HVAC DUCTING WITH MAIN FRESH AIR FILTER		
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH		
689-003	AUXILIARY HEATER/AIR CONDITIONER WITH CONSTANT OUTLET TEMPERATURE CONTROL		
170-015	STANDARD HEATER PLUMBING		
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR		
698-001	RADIATOR MOUNTED AIR CONDITIONER CONDENSER		
702-002	BINARY CONTROL, R-134A		
739-034	PREMIUM INSULATION		
285-001	AUTOMATIC SELF-RESET CIRCUIT BREAKERS		
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM		
322-038	DOOR AND BUNK ACTIVATED LH AND RH BUNK MOUNTED LED BAGGAGE COMPARTMENT LIGHTS		
324-1B2	PREMIUM LED CAB LIGHTING		
325-076	PREMIUM LED SLEEPER LIGHTING		
655-005	LH AND RH ELECTRIC DOOR LOCKS		
64C-003	BLACK DOOR HANDLES		
740-025	QUILTED SPRING MATTRESS IN LOWER BUNK AND SPRING MATTRESS IN UPPER BUNK	30	30
284-1AB	(4) 12 VOLT POWER OUTLETS; (2) IN BUNK AND (2) IN SLEEPER PANEL		
337-001	AC 120 VOLT CAB WIRING AND AC OUTLET WITH SHORE POWER ONLY	10	
710-001	CAB PRIVACY CURTAIN	5	
719-022	PREP FOR CUSTOMER FURNISHED REFRIGERATOR	5	

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Data Code	Description	Weight Front	Weight Rear
722-002	TRIANGULAR REFLECTORS WITHOUT FLARES	10	
756-1J7	ELITE 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT W/2 AIR LUMBAR,ACTIVE BOLSTER,INTEGRATED CUSHION EXTENSION, TILT,ADJUSTABLE SHOCK, MAP POCKET, HEAT & VENTILATION	10	
760-1J7	ELITE 2.0 HIGH BACK AIR SUSPENSION PASSENGER SEAT W/2 AIR LUMBAR,ACTIVE BOLSTER,INTEGRATED CUSHION EXTENSION,TILT,ADJUSTABLE SHOCK,MAP POCKET,HEAT & VENTILATION	10	
757-002	BLACK SUSPENSION COVER FOR DRIVER AND PASSENGER SEATS	4	
759-005	DUAL DRIVER AND PASSENGER SEAT ARMRESTS	8	
758-022	BLACK MORDURA CLOTH DRIVER SEAT COVER		
761-023	BLACK MORDURA CLOTH PASSENGER SEAT COVER		
763-1AB	3 POINT HIGH VISIBILITY ORANGE ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS		
725-001	STEERING WHEEL AIR BAG SUPPLEMENTAL RESTRAINT SYSTEM	40	
709-006	SLEEPER CURTAIN		
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
540-044	4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
765-007	DRIVER AND PASSENGER INTERIOR SUN VISORS WITH VANITY MIRRORS		

### Instruments & Controls

106-004	ELECTRONIC ACCELERATOR CONTROL WITH KICKDOWN FEATURE		
734-018	STANDARD CENTER INSTRUMENT PANEL		
870-001	BLACK GAUGE BEZELS		
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM		
838-001	(1) SINGLE BRAKE APPLICATION AIR GAUGE		
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
198-002	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS		
721-003	PRECO/ECCO 1040 87 DECIBELS TO 112 DECIBELS AUTOMATIC SELF-ADJUSTING BACKUP ALARM		3

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Data Code	Description	Weight Front	Weight Rear
149-045	ELECTRONIC CRUISE CONTROL WITH INTELLIGENT POWERTRAIN MANAGEMENT AND CONTROLS ON STEERING WHEEL SPOKES		
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH		
844-001	2 INCH ELECTRIC FUEL GAUGE		
845-011	FUEL FILTER RESTRICTION INDICATOR		
148-085	EMISSIONS LIMITED IDLE ADJUST		
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
854-008	DIGITAL ENGINE OIL TEMPERATURE IN DRIVER DISPLAY		
864-022	DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY		
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
830-031	ENGINE, TRIP AND PTO HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
736-141	DETROIT ASSURANCE, ACTIVE BRAKE ASSIST 5 , WITH ADAPTIVE CRUISE CONTROL TO 0 MPH AND ADJUSTABLE HEADWAY		
7A1-998	NO MIRROR CAMERA SYSTEM		
49B-004	ELECTRONIC STABILITY CONTROL		
73B-031	DETROIT ASSURANCE 5.0 LANE DEPARTURE WARNING SYSTEM WITH 15 MINUTE OFF TIMEOUT DASH SWITCH		
73U-001	TRAFFIC SIGN DISPLAY		
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE		
746-135	AM/FM/WB WORLD TUNER RADIO WITH SIRIUSXM, BLUETOOTH, IPOD INTERFACE, USB AND AUXILIARY INPUTS, J1939	10	
747-001	DASH MOUNTED RADIO		
750-041	STANDARD SPEAKER SYSTEM		
753-049	60 INCH (SLEEPER) OR 54 INCH (DAY CAB) AM/FM ANTENNA MOUNTED ON RH REAR CAB/SLEEPER WALL WITH RG62 CABLE		

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Data Code	Description	Weight Front	Weight Rear
748-002	POWER AND GROUND STUDS ON TOP OF DASH		
749-006	TOP OF DASH MOUNT CB RADIO PROVISION WITH PLATE AND STRAPS	2	
752-050	INTEGRATED AERO-ROOF CB ANTENNA		
75W-001	HEADLINER MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, GNSS/GPS		
78C-003	INTEROPERABLE SDAR ANTENNA		
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
817-001	STANDARD VEHICLE SPEED SENSOR		
812-032	ELECTRONIC 2500 RPM TACHOMETER		
813-1C8	DETROIT CONNECT PLATFORM HARDWARE		
8D1-165	5 YEARS DETROIT CONNECT SAFETY EVENT VIEWER PACKAGE FOR DETROIT ASSURANCE (INCLUDES BASE PACKAGE FEATURES)		
6TS-005	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP		
329-010	TWO ON/OFF ROCKER SWITCHES IN THE DASH WITH INDICATOR LIGHTS AND WIRE ROUTED TO CHASSIS AT BACK OF CAB, LABEL OPT		
81Y-005	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY		
264-033	STEERING WHEEL MOUNTED ELECTRIC HORN CONTROL		
482-001	BW TRACTOR PROTECTION VALVE		
883-001	TRAILER HAND CONTROL BRAKE VALVE		
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY		
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
882-021	TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
299-028	MANUAL TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY		

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Data Code	Description	Weight Front	Weight Rear
3ZM-998	NO MULTIMEDIA BOX		
3ZN-998	NO ANDROID BLACK BOX		

### Design

065-000	PAINT: ONE SOLID COLOR		
---------	------------------------	--	--

### Color

980-5F6	CAB COLOR A: L0006EY WHITE ELITE EY		
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT		
987-995	CHASSIS SIDE FAIRINGS PAINTED SAME AS LOWER CAB SECTION OR FENDER		
964-995	BUMPER PAINTED SAME AS FENDERS/LOWER SECTION OF CAB		
976-995	SUNVISOR PAINTED SAME AS CAB COLOR A		

### Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS		
---------	---	--	--

### Secondary Factory Options

*	81Z-004	CEEA+ PRODUCTION SOFTWARE PACKAGE (DIAMOND)		
---	---------	---	--	--

### Raw Performance Data

AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) : 184.79 in		
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE : 181.66 in		

### Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

## TOTAL VEHICLE SUMMARY

### Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight <sup>+</sup>	11121 lbs	7500 lbs	18621 lbs
Total Weight <sup>+</sup>	11121 lbs	7500 lbs	18621 lbs

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(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

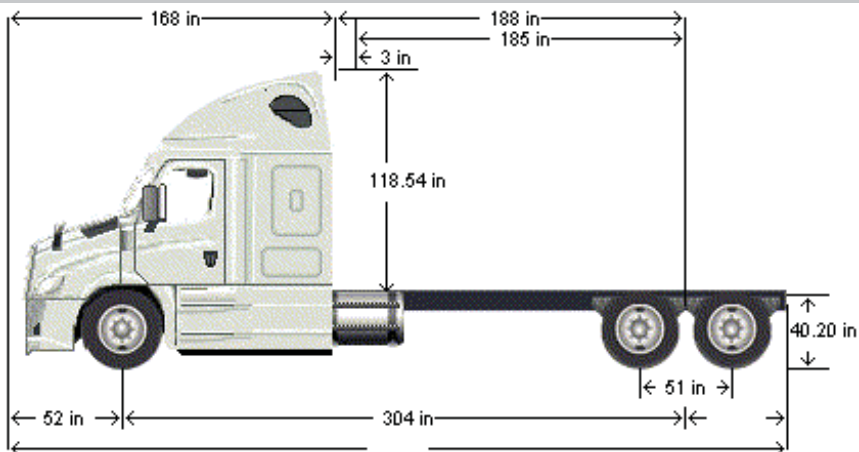
(\*\*\*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



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## DIMENSIONS



## VEHICLE SPECIFICATIONS SUMMARY - DIMENSIONS

Model ..... 116 SLEEPER CAB  
Wheelbase (545) ..... 7725MM (304 INCH) WHEELBASE  
Rear Frame Overhang (552) ..... CUSTOM FRAME OVERHANG  
Fifth Wheel (578) ..... NO FIFTH WHEEL  
Mounting Location (577) ..... NO FIFTH WHEEL LOCATION  
Maximum Forward Position (in) ..... 0  
Maximum Rearward Position (in) ..... 0  
Amount of Slide Travel (in) ..... 0  
Slide Increment (in) ..... 0  
Desired Slide Position (in) ..... 0.0  
Cab Size (829) ..... 116 INCH BBC ALUMINUM CONVENTIONAL CAB  
Sleeper (682) ..... 60 INCH RAISED ROOF SLEEPER CAB  
Exhaust System (016) ..... RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY  
WITH RH HORIZONTAL TAILPIPE

## TABLE SUMMARY - DIMENSIONS

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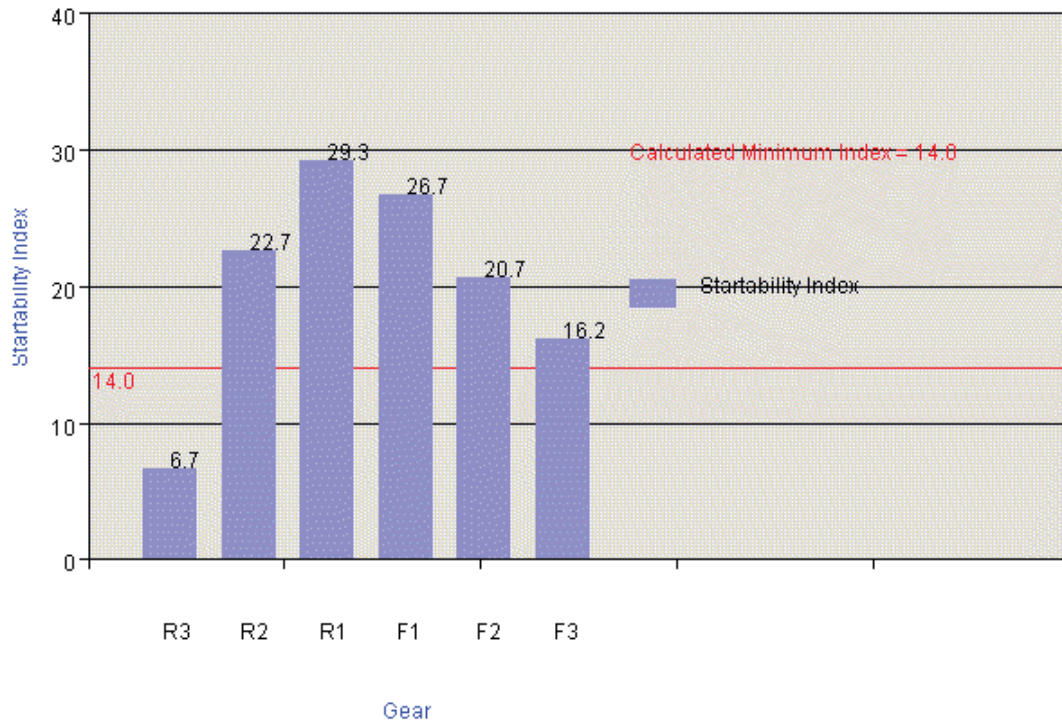
Dimensions	Inches
Bumper to Back of Cab (BBC)	168.1
Bumper to Centerline of Front Axle (BA)	51.8
Min. Cab to Body Clearance (CB)	3.0
Back of Cab to Centerline of Rear Axle(s) (CA)	187.8
Effective Back of Cab to Centerline of Rear Axle(s) (Effective CA)	184.8
Back of Cab Protrusions (Exhaust/Intake) (CP)	2.0
Back of Cab Protrusions (Side Extenders/Trim Tab) (CP)	0.0
Back of Cab Protrusions (CNG Tank)	0.0
Back of Cab Clearance (CL)	3.0
Back of Cab to End of Frame	-9,810.2
Cab Height (CH)	118.5
Wheelbase (WB)	304.1
Frame Overhang (OH)	-9,998.0
Overall Frame Length	-9,660.8
Overall Length (OAL)	-9,642.1
Rear Axle Spacing	51.0
Unladen Frame Height at Centerline of Rear Axle	40.2

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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## STARTABILITY



## VEHICLE SPECIFICATIONS SUMMARY - STARTABILITY

Model .....	116 SLEEPER CAB
Cab Size (829).....	116 INCH BBC ALUMINUM CONVENTIONAL CAB
Expected Front Axle(s) Load (lbs).....	14600.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs) .....	40000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs) .....	54600
Expected GCW (lbs).....	80000.0

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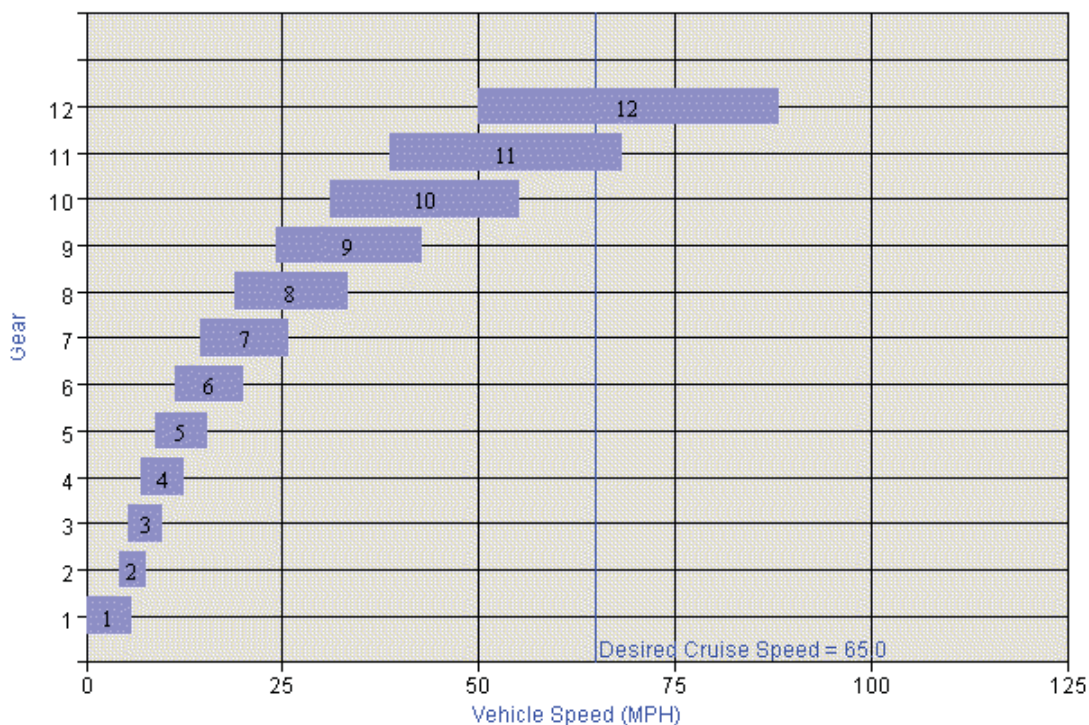
Engine (101).....DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM  
Torque at Clutch Engagement (lbs-ft) ..... 1180  
Transmission (342).....DT12-1650-OH ON-HIGHWAY 12-SPEED OVERDRIVE AUTOMATED MANUAL TRANSMISSION  
Gear Ratio: Forward 1 ..... 11.639  
Gear Ratio: Forward 2 ..... 9.02  
Gear Ratio: Forward 3 ..... 7.035  
Gear Ratio: Reverse 1 ..... 12.774  
Gear Ratio: Reverse 2 ..... 9.9  
Gear Ratio: Reverse 3 ..... 2.903  
Low Gear Ratio.....N/A  
High Gear Ratio.....N/A  
Low Gear Ratio.....N/A  
High Gear Ratio.....N/A  
Rear Axle (420) ..... MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE  
Number of Speeds..... 1  
Rear Axle Gear Ratio(s).....3.36 REAR AXLE RATIO  
Rear Tires (094) ..... MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR TIRES  
Revolutions per Mile ..... 496  
Vehicle Service (A85) ..... LINEHAUL/LONG HAUL SERVICE  
Startability Factor..... 6  
Terrain (AA5)..... TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS  
Startability Factor..... 0  
Most Severe Grade Expected (AB1) ..... MAXIMUM 8% EXPECTED GRADE  
Startability Factor..... 8  
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE  
Startability Factor..... 0  
Suggested Torque Converter Stall Ratio..... 1

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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## OPERATING RANGE



## VEHICLE SPECIFICATIONS SUMMARY - OPERATING RANGE

Model ..... 116 SLEEPER CAB  
 Cab Size (829) ..... 116 INCH BBC ALUMINUM CONVENTIONAL CAB  
 Desired Cruise Speed (mph) ..... 65.0  
 Engine (101) ..... DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM  
     RPM at Peak Torque ..... 1075  
     Governed RPM ..... 1900  
 Transmission (342) ..... DT12-1650-OH ON-HIGHWAY 12-SPEED OVERDRIVE AUTOMATED MANUAL TRANSMISSION  
     Gear Ratio: LL ..... N/A

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Gear Ratio: L .....	N/A
Gear Ratio: 1 .....	11.639
Gear Ratio: 2 .....	9.02
Gear Ratio: 3 .....	7.035
Gear Ratio: 4 .....	5.452
Gear Ratio: 5 .....	4.4
Gear Ratio: 6 .....	3.41
Gear Ratio: 7 .....	2.645
Gear Ratio: 8 .....	2.05
Gear Ratio: 9 .....	1.599
Gear Ratio: 10 .....	1.239
Gear Ratio: 11 .....	1
Gear Ratio: 12 .....	0.775
Gear Ratio: 13 .....	N/A
Gear Ratio: 14 .....	N/A
Gear Ratio: 15 .....	N/A
Gear Ratio: 16 .....	N/A
Gear Ratio: 17 .....	N/A
Gear Ratio: 18 .....	N/A
Low Gear Ratio .....	N/A
High Gear Ratio .....	N/A
Low Gear Ratio .....	N/A
High Gear Ratio .....	N/A
Rear Axle (420) .....	MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE
Number of Speeds .....	1
Rear Axle Gear Ratio(s) .....	3.36 REAR AXLE RATIO
Rear Tires (094) .....	MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR TIRES
Revolutions per Mile .....	496

## TABLE SUMMARY - OPERATING RANGE

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Transmission Gear	Transmission Gear Ratio	Rear Axle Ratio	Overall Gear Ratio	Minimum Speed (MPH)	Maximum Speed (MPH)
1	11.64	3.36	39.11	0	5.9
2	9.02	3.36	30.31	4.3	7.6
3	7.04	3.36	23.64	5.5	9.7
4	5.45	3.36	18.32	7.1	12.5
5	4.40	3.36	14.78	8.8	15.5
6	3.41	3.36	11.46	11.3	20.1
7	2.65	3.36	8.89	14.6	25.9
8	2.05	3.36	6.89	18.9	33.4
9	1.60	3.36	5.37	24.2	42.8
10	1.24	3.36	4.16	31.2	55.2
11	1.00	3.36	3.36	38.7	68.4
12	0.78	3.36	2.60	49.9	88.3

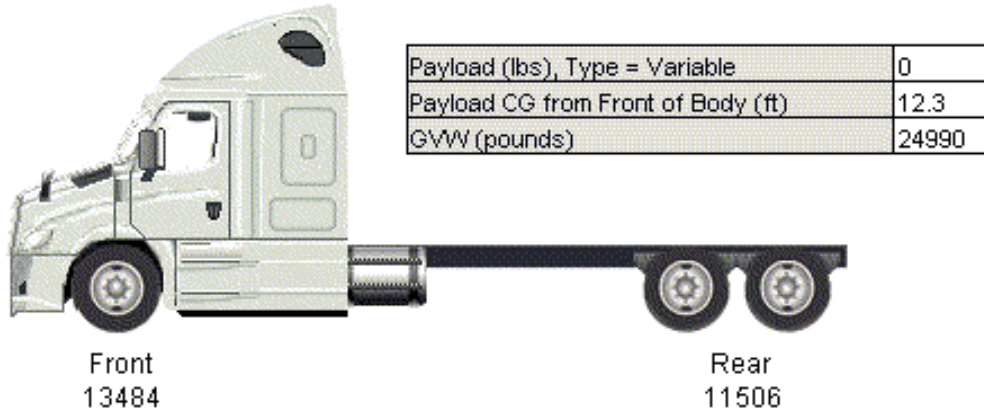
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## TRUCK WEIGHT



### VEHICLE SPECIFICATIONS SUMMARY - TRUCK WEIGHT

Model ..... 116 SLEEPER CAB  
 Cab Size (829) ..... 116 INCH BBC ALUMINUM CONVENTIONAL CAB  
 Expected Front Axle(s) Load (lbs) ..... 14600.0  
 Expected Pusher Axle(s) Load (lbs) ..... 0.0  
 Expected Rear Axle(s) Load (lbs) ..... 40000.0  
 Expected Tag Axle(s) Load (lbs) ..... 0.0  
 Expected GVW (lbs) ..... 54600  
 Expected GCW (lbs) ..... 80000.0  
 Wheelbase (545) ..... 7725MM (304 INCH) WHEELBASE  
 Pusher / Tag Axle (443) ..... NO PUSHER OR TAG AXLE  
 Front Axle to Back of Cab (in) ..... 116.339  
 Cab to Body Clearance (in) ..... 3.0  
 Front Axle to Body (in) ..... 119.339  
 Truck Configuration (AA3) ..... DRY VAN BODY  
     Body Length (ft) ..... 24.6  
     Body Weight (lbs) ..... 3500.0  
     Body Horiz CG from Body Front (ft) ..... 11.0  
     Body Front to Rear Axle(s) CL (ft) ..... 15.4  
 Driver Weight (lbs) ..... 500.0  
 Driver Horizontal CG from Front Axle (in) ..... 42.87  
 Left-Hand Primary Fuel/Hydraulic Tank (204) ..... 150 GALLON/567 LITER ALUMINUM FUEL TANK - LH  
     Left Fuel Tank Horizontal CG (in) ..... 130.285



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Right-Hand Primary Fuel/Hydraulic Tank (206)..... 150 GALLON/567 LITER ALUMINUM FUEL TANK - RH  
 Right Fuel Tank Horizontal CG (in) ..... 115.718

### TABLE SUMMARY - TRUCK WEIGHT

Item	Front(s)	Rear(s)	Total
Chassis Tare	11121	7500	18621
Fuel / Oil	1325	1044	2369
Driver	430	70	500
Dealer Installed Options	0	0	0
Accessories Total	0	0	0
Body Tare	608	2892	3500
Truck Tare Weight	13484	11506	24990
Payload Total	0	0	0
Calculated Axle Loads	13484	11506	24990
Expected Axle Loads / GVW	14600	40000	80000
GAWR / GVWR	14600	40000	54600
Payload CG From Front of Body		12.3 feet	
Payload CG From Front Axle		22.2 feet	
Payload Distribution		Variable	
All weights displayed in pounds			

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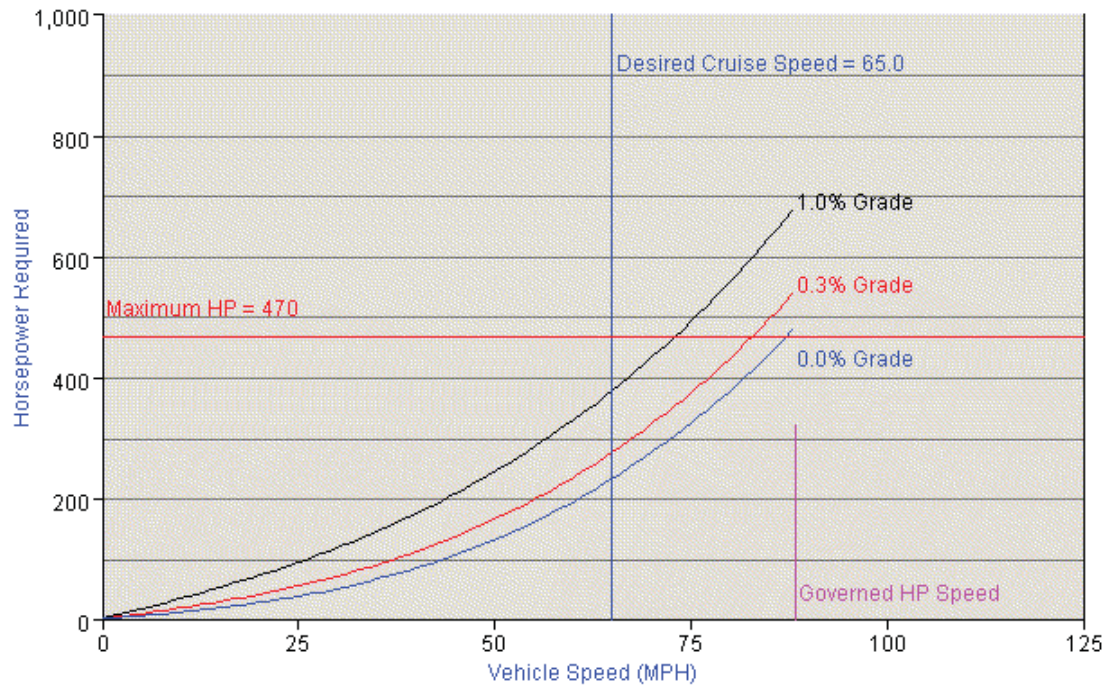
Item	Front(s)	Rear(s)	Total
Chassis Tare	11121	7500	18621
Fuel / Oil	1325	1044	2369
Driver	430	70	500
Dealer Installed Options	0	0	0
Accessories Total	0	0	0
Body Tare	608	2892	3500
Truck Tare Weight	13484	11506	24990
Payload Total	0	0	0
Calculated Axle Loads	13484	11506	24990
Expected Axle Loads / GVW	14600	40000	80000
GAWR / GVWR	14600	40000	54600
Payload CG From Front of Body		12.3 feet	
Payload CG From Front Axle		22.2 feet	
Payload Distribution		Variable	
All weights displayed in pounds			

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## S P E E D A B I L I T Y



### VEHICLE SPECIFICATIONS SUMMARY - SPEEDABILITY

Model .....	116 SLEEPER CAB
Cab Size (829).....	116 INCH BBC ALUMINUM CONVENTIONAL CAB
Desired Cruise Speed (mph) .....	65.0
Expected Front Axle(s) Load (lbs).....	14600.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs) .....	40000.0
Expected Tag Axle(s) Load (lbs).....	0.0
Expected GVW (lbs) .....	54600

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Expected GCW (lbs) ..... 80000.0  
 Engine (101) ..... DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM  
   Governed RPM ..... 1900  
   HP at Governed RPM ..... 329  
   RPM at Max HP ..... 1625  
   Max HP ..... 470  
   HP at Governed RPM (High Torque) ..... 329  
   RPM at Max HP (High Torque) ..... 1625  
   Max HP (High Torque) ..... 470  
   Multi-torque ..... NO  
 Transmission (342) ..... DT12-1650-OH ON-HIGHWAY 12-SPEED OVERDRIVE AUTOMATED MANUAL TRANSMISSION  
 Rear Axle (420) ..... MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE  
   Number of Speeds ..... 1  
   Rear Axle Gear Ratio(s) ..... 3.36 REAR AXLE RATIO  
 Rear Tires (094) ..... MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR TIRES  
   Revolutions per Mile ..... 496  
   Trailer Width (in) ..... 102.0  
 Trailer Height (ground to top) (ft) ..... 13.5  
 Body Width (in) ..... 102.0  
 Body Height (ground to top) (ft) ..... 12.0  
 Roof Mounted Aero Device (784) ..... NO AIR SHIELD OR BRACKETS  
 Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE  
   High Gear Ratio ..... N/A  
   Low Gear Ratio ..... N/A  
   High Gear Ratio ..... N/A  
   Low Gear Ratio ..... N/A

#### TABLE SUMMARY - SPEEDABILITY

Top Gear Speedability	At Max Power Speed	At Desired Cruise Speed
Top Gear Vehicle Speed (mph)	75.5	65.0
Engine RPM	1625	1399
Gross Power Available (HP)	470	N/A
Power (HP) Required for:		
Level Road	331	234
0.3% Grade	382	278
1.0% Grade	500	380
*Blue background represents value input by user.		

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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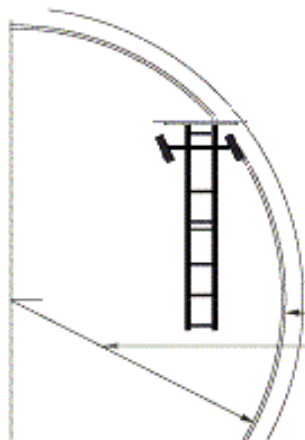
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## TURNING RADIUS



Turning radius graphic and data provided strictly for comparisons between model configurations. Weather, road surfaces, and tire treads affect the results. It is strongly suggested that actual vehicles be measured before constructing any roads/driveways using this information. For specific figures regarding your configuration, please contact your CAE representative.

	Dimensions	Tolerance
Wall to Wall Diameter (ft)	84.4	+/- 3.0
Curb to Curb Diameter (ft)	78.9	+/- 3.0
Turning Radius (ft)	39.0	+/- 1.5

## VEHICLE SPECIFICATIONS SUMMARY - TURNING RADIUS

Model ..... 116 SLEEPER CAB  
 Cab Size (829) ..... 116 INCH BBC ALUMINUM CONVENTIONAL CAB  
 Wheelbase (545) ..... 7725MM (304 INCH) WHEELBASE  
 Front Tires (093) ..... MICHELIN XZE 12R22.5 16 PLY RADIAL FRONT TIRES  
   Width (in) ..... 11.4  
 Front Axle (400) ..... DETROIT DA-F-14.7-3 14,700# FF1 71.5 KPI/3.74 DROP SINGLE FRONT AXLE  
   Kingpin Intersection (in) ..... 71.5  
 Bumper (556) ..... PAINTED AERODYNAMIC BUMPER  
   Width (in) ..... 96  
   Bumper Miter to Front Axle (in) ..... 51.768  
 Primary Steering Location (003) ..... LH PRIMARY STEERING LOCATION  
 Steering Gear (536) ..... TRW TAS-85 POWER STEERING  
   Dual Steering Gear ..... NONE  
   Ram ..... NONE  
 Rear Axle (420) ..... MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE  
 Axle Spacing (624) ..... 51 INCH AXLE SPACING

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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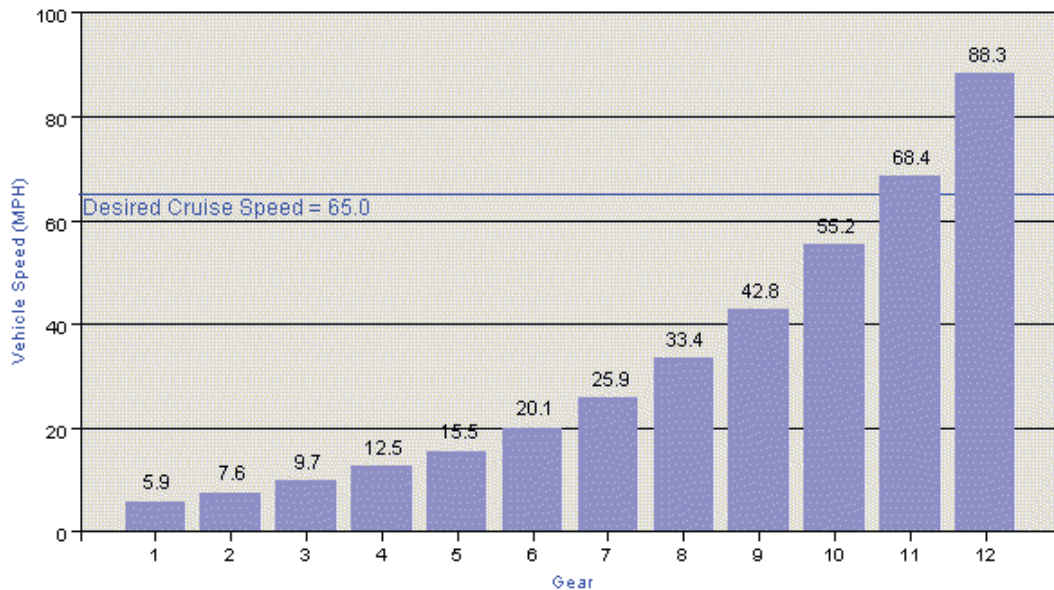
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## OPERATING SPEED



Rear Axle Ratio = 3.36

Engine RPM = 1900

### VEHICLE SPECIFICATIONS SUMMARY - OPERATING SPEED

Model .....	116 SLEEPER CAB
Cab Size (829).....	116 INCH BBC ALUMINUM CONVENTIONAL CAB
Top Speed (mph).....	88.3
Engine RPM .....	1900.0
Desired Cruise Speed (mph) .....	65.0
Engine (101).....	DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM
Governed RPM.....	1900
Transmission (342).....	DT12-1650-OH ON-HIGHWAY 12-SPEED OVERDRIVE AUTOMATED MANUAL TRANSMISSION



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Rear Axle (420) ..... MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE  
 Number of Speeds ..... 1  
 Rear Axle Gear Ratio(s) ..... 3.36 REAR AXLE RATIO  
 Rear Tires (094) ..... MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR TIRES  
 Revolutions per Mile ..... 496  
 High Gear Ratio ..... N/A  
 Low Gear Ratio ..... N/A  
 High Gear Ratio ..... N/A  
 Low Gear Ratio ..... N/A

#### TABLE SUMMARY - OPERATING SPEED

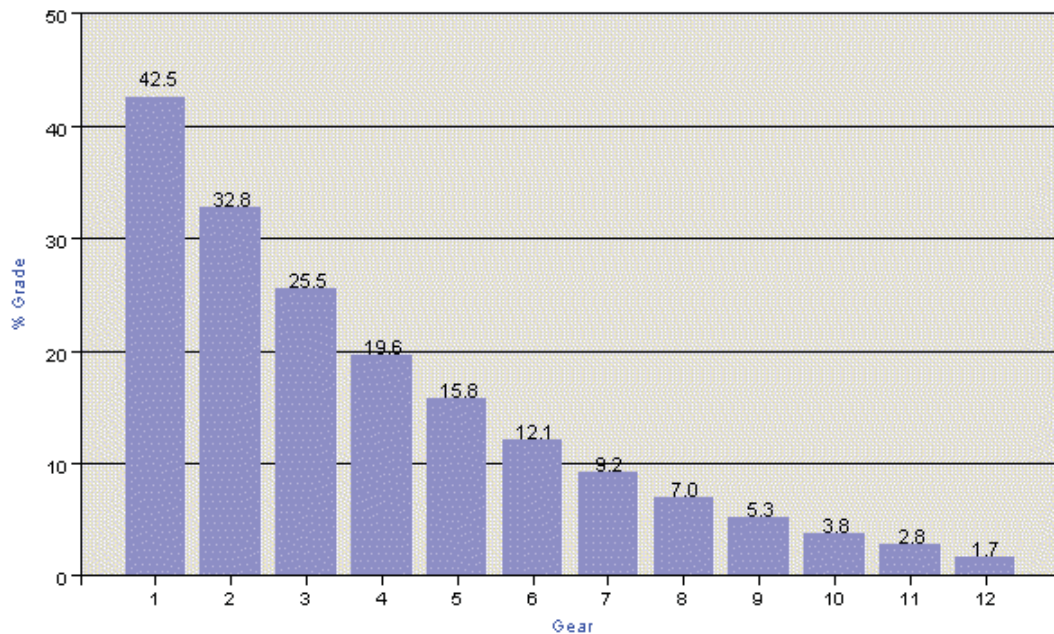
Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)
1	11.64	39.11	5.9
2	9.02	30.31	7.6
3	7.04	23.64	9.7
4	5.45	18.32	12.5
5	4.40	14.78	15.5
6	3.41	11.46	20.1
7	2.65	8.89	25.9
8	2.05	6.89	33.4
9	1.60	5.37	42.8
10	1.24	4.16	55.2
11	1.00	3.36	68.4
12	0.78	2.60	88.3
Desired Cruise Speed (mph)			65.0
Engine RPM			1900
Rear Axle Ratio			3.36
*Blue background represents value input by user.			

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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## GRADEABILITY



Desired Gradeability at Peak Torque = 0.5

### VEHICLE SPECIFICATIONS SUMMARY - GRADEABILITY

Model .....	116 SLEEPER CAB
Cab Size (829).....	116 INCH BBC ALUMINUM CONVENTIONAL CAB
Desired Gradeability at Peak Torque (%).....	0.5
Desired Gradeability at Cruise Speed(%).....	0.3
Desired Cruise Speed (mph) .....	65.0
Expected Front Axle(s) Load (lbs).....	14600.0
Expected Pusher Axle(s) Load (lbs).....	0.0
Expected Rear Axle(s) Load (lbs) .....	40000.0

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Expected Tag Axle(s) Load (lbs).....0.0  
Expected GVW (lbs).....54600  
Expected GCW (lbs).....80000.0  
Engine (101).....DETROIT DD13 12.8L 470 HP @ 1625 RPM, 1900 GOV RPM, 1650 LB-FT @ 975 RPM  
    Peak Torque (lbs-ft).....1650  
    RPM at Peak Torque.....1075  
    Peak Torque (Multi-torque High) (lbs-ft).....1650  
    RPM at Peak Torque (Multi-torque High).....1075  
    Multi-torque.....NO  
Transmission (342).....DT12-1650-OH ON-HIGHWAY 12-SPEED OVERDRIVE AUTOMATED MANUAL TRANSMISSION  
Rear Axle (420).....MT-40-14XP 40,000# R-SERIES TANDEM REAR AXLE  
    Number of Speeds.....1  
    Rear Axle Gear Ratio(s).....3.36 REAR AXLE RATIO  
Rear Tires (094).....MICHELIN XDN2 11R22.5 16 PLY RADIAL REAR TIRES  
    Revolutions per Mile.....496  
    Trailer Width (in).....102.0  
Trailer Height (ground to top) (ft).....13.5  
Body Width (in).....102.0  
Body Height (ground to top) (ft).....12.0  
Roof Mounted Aero Device (784).....NO AIR SHIELD OR BRACKETS  
Road Surface (AB5). SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE  
    High Gear Ratio.....N/A  
    Low Gear Ratio.....N/A  
    High Gear Ratio.....N/A  
    Low Gear Ratio.....N/A  
Trailer Configuration (AA2).....VAN TRAILER

#### TABLE SUMMARY - GRADEABILITY

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Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	11.64	39.11	3.3	301.5	42.5
2	9.02	30.31	4.3	300.5	32.8
3	7.04	23.64	5.5	299.3	25.5
4	5.45	18.32	7.1	297.6	19.6
5	4.40	14.78	8.8	295.6	15.8
6	3.41	11.46	11.3	292.5	12.1
7	2.65	8.89	14.6	288.0	9.2
8	2.05	6.89	18.9	281.3	7.0
9	1.60	5.37	24.2	271.1	5.3
10	1.24	4.16	31.2	254.0	3.8
11	1.00	3.36	38.7	230.4	2.8
12	0.78	2.60	49.9	181.8	1.7
Desired Gradeability at Peak Torque			0.5		
Rear Axle Ratio			3.36		
Gross HP Available at Peak Torque			337		
RPM at Peak Torque			1075		
*Blue background represents value input by user.					

Transmission Gear	Transmission Gear Ratio	Overall Gear Ratio	Vehicle Speed (MPH)	HP Available for Grade	Max Grade (%)
1	11.64	39.11	4.3	383.6	41.5
2	9.02	30.31	5.6	382.3	32.1
3	7.04	23.64	7.2	380.6	24.9
4	5.45	18.32	9.2	378.2	19.2
5	4.40	14.78	11.4	375.5	15.4
6	3.41	11.46	14.8	370.9	11.8
7	2.65	8.89	19.0	364.1	9.0
8	2.05	6.89	24.6	353.4	6.7
9	1.60	5.37	31.5	336.3	5.0
10	1.24	4.16	40.7	306.2	3.5
11	1.00	3.36	50.4	262.7	2.4
12	0.78	2.60	65.0	169.5	1.2
Desired Gradeability at Cruise Speed			0.3		
Desired Cruise Speed			65.0		
Rear Axle Ratio			3.36		
Gross HP Available at Cruise Speed			436		
RPM at Cruise Speed			1399		
*Blue background represents value input by user.					

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

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## FRAME RBM

### VEHICLE SPECIFICATIONS SUMMARY - FRAME RBM

Wheelbase (545) .....7725MM (304 INCH) WHEELBASE  
 Frame Rails (546)..... 11.0MM X 85.0MM X 287.0MM STEEL FRAME (0.43X3.35X11.30 INCH) 120 KSI(546)  
     Yield Strength (psi) ..... 120000  
     Section Modulus (per rail) (cu in) ..... 21.535  
     RBM (per rail) (lbf-in) ..... 2584175  
 Inner Frame Reinforcement (547) ..... NO INNER FRAME REINFORCEMENT

### TABLE SUMMARY - FRAME RBM

Item	Description / Value
Wheelbase	7725MM (304 INCH) WHEELBASE
Frame	11.0MM X 85.0MM X 287.0MM STEEL FRAME (0.43X3.35X11.30 INCH) 120 KSI
Inner Frame Reinforcement	NO INNER FRAME REINFORCEMENT
Outer Frame Reinforcement	None
Yield Strength (psi)	120000
Section Modulus - per rail (cu. in.)	21.53
Frame RBM - per rail (lbf-in)	2584175

Performance calculations are estimates only. If performance calculations are critical, please contact Customer Application Engineering.

## TRUCK COVERAGE 4

### INCLUSION/EXCLUSION OVERVIEW

Updated as of 9/25/2020



INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
AIR CONDITIONING, HEATING & VENTILATING SYSTEM*	<ul style="list-style-type: none"> <li>• COMPRESSOR</li> <li>• EVAPORATOR CORE</li> <li>• CONDENSER ASSEMBLY</li> <li>• BLOWER MOTOR</li> <li>• HEATER ASSEMBLY</li> <li>• WIRING</li> <li>• LINES</li> <li>• SELECT AUXILIARY HVAC COMPONENTS (IF FACTORY EQUIPPED)</li> </ul>	<ul style="list-style-type: none"> <li>• BATTERIES</li> <li>• PARKSMART SYSTEM</li> <li>• REFRIGERANT</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
SUSPENSION, FRONT/REAR*	<ul style="list-style-type: none"> <li>• STEEL SPRINGS</li> <li>• SPRING HANGER BRACKETS</li> <li>• SHACKLES AND PINS AND TORQUE RODS</li> <li>• AIR SUSPENSION</li> <li>• TAG AXLE ASSEMBLY</li> <li>• PUSHER AXLE ASSEMBLY</li> </ul>	<ul style="list-style-type: none"> <li>• NUTS, BOLTS, KITS, AND MOUNTING HARDWARE</li> <li>• STEERING ARM</li> <li>• DRIVE AXLES</li> <li>• STEER AXLES</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
ALTERNATOR & CHARGING SYSTEM*	<ul style="list-style-type: none"> <li>• ALTERNATOR ASSEMBLY</li> <li>• HARDWARE, MOUNTING - ALTERNATOR ASSEMBLY</li> <li>• ALTERNATOR WIRING HARNESS</li> <li>• VOLTAGE REGULATOR</li> <li>• BATTERY CHARGE EQUALIZER</li> </ul>	<ul style="list-style-type: none"> <li>• BOLT - ALTERNATOR HOUSING</li> <li>• BOLT - ALTERNATOR FRAME</li> <li>• BOLT - ADJUSTMENT, ALTERNATOR</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
STARTER & CRANKING SYSTEM*	<ul style="list-style-type: none"> <li>STARTER MOTOR ASSEMBLY</li> <li>STARTER SOLENOID</li> <li>BATTERY CABLES</li> <li>GROUND STRAP</li> <li>BATTERY DISCONNECT SWITCH</li> <li>GLOW PLUG</li> </ul>	<ul style="list-style-type: none"> <li>BATTERIES</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
AIR INTAKE SYSTEM*	<ul style="list-style-type: none"> <li>CHARGE AIR COOLER HOUSING</li> <li>CHARGE AIR COOLER MOUNTING HARDWARE</li> <li>CHARGE AIR COOLER COLD SIDE PIPE</li> <li>CHARGE AIR COOLER HOT SIDE PIPE</li> <li>CHARGE AIR COOLER ELBOW</li> </ul>	<ul style="list-style-type: none"> <li>AIR CLEANER</li> <li>PRE-CLEANER ASSEMBLY</li> <li>FILTER ELEMENTS</li> <li>SEALS &amp; GASKETS &amp; KITS</li> <li>TURBOCHARGER</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
IGNITION SYSTEM*	<ul style="list-style-type: none"> <li>IGNITION SWITCH</li> <li>STARTER INTERLOCK WIRING</li> <li>REMOTE START WIRING/SWITCH/ANTENNA</li> </ul>	<ul style="list-style-type: none"> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
SELECT FRAME COMPONENTS*	<ul style="list-style-type: none"> <li>BRACKETS</li> <li>BUMPER ASSEMBLY FRONT &amp; REAR</li> <li>ENGINE MOUNTINGS</li> <li>CAB &amp; BODY MOUNTINGS</li> <li>BATTERY BOX &amp; SUPPORT</li> <li>FUEL TANK SUPPORT</li> <li>LICENSE CARRIER</li> <li>ATTACHING DEVICES - HOSES, LINES, TUBES &amp; WIRE</li> <li>SLEEPER MOUNTING</li> <li>CAB SHOCK ABSORBER</li> <li>TOOLBOX ASSEMBLY &amp; MOUNTINGS</li> <li>NOISE SHIELD</li> <li>RADIATOR SUPPORTS</li> <li>LIFTING HOOKS</li> <li>STEP &amp; BRACKETS - FRAME MOUNTED STEP ASSEMBLY</li> </ul>	<ul style="list-style-type: none"> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
DRIVE SHAFTS / DRIVELINES*	<ul style="list-style-type: none"> <li>• DRIVE SHAFT / DRIVELINE</li> <li>• YOKE – DRIVE SHAFT END</li> <li>• UNIVERSAL JOINT – FRONT, CENTER, REAR</li> <li>• BEARING ASSEMBLY – DRIVE SHAFT</li> </ul>	<ul style="list-style-type: none"> <li>• PINION END YOKE</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
COOLING SYSTEM*	<ul style="list-style-type: none"> <li>• RADIATOR ASSEMBLY</li> <li>• RADIATOR SHUTTER</li> <li>• COOLANT RECOVERY SYSTEM</li> <li>• SURGE TANK ASSEMBLY</li> <li>• RADIATOR MOUNTING HARDWARE</li> <li>• RADIATOR PLUMBING</li> <li>• FAN CLUTCH</li> <li>• FAN HUB SEAL &amp; BEARING</li> <li>• FAN BLADE</li> <li>• OIL COOLER ASSEMBLY – TRANSMISSION</li> <li>• RADIATOR FAN SHROUD ASSEMBLY</li> </ul>	<ul style="list-style-type: none"> <li>• BELTS</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
SPARE WHEEL MOUNTING*	<ul style="list-style-type: none"> <li>• CARRIER - SPARE WHEEL</li> <li>• HOLD-DOWN CLAMPING PARTS</li> <li>• CHAIN-LINK, SPARE TIRE CARRIER</li> </ul>	<ul style="list-style-type: none"> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
BRAKES*	<ul style="list-style-type: none"> <li>• BRAKE CYLINDER ASSEMBLIES OR CHAMBERS</li> <li>• BRAKE CALIPER ASSEMBLIES</li> <li>• BRAKE AIR LINES</li> <li>• SLACK ADJUSTERS</li> <li>• SELECT VALVES</li> <li>• LEVER - PEDAL &amp; SECTOR ASSEMBLY, PARKING BRAKE</li> <li>• MASTER CYLINDER – BRAKE</li> <li>• AIR TANK</li> <li>• AIR REGULATOR OR GOVERNOR</li> <li>• AIR DRIER W/DRAIN VALVES</li> <li>• ANTILOCK BRAKES ECU &amp; TCV</li> </ul>	<ul style="list-style-type: none"> <li>• BRAKE LINING</li> <li>• DISC BRAKE PAD</li> <li>• REPAIR KITS</li> <li>• BRAKE DRUMS</li> <li>• BRAKE ROTORS</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>



INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
CHASSIS LUBRICATOR*	<ul style="list-style-type: none"> <li>• BODY - GREASE RESERVOIR, AUTOMATIC CHASSIS LUBRICATOR</li> <li>• PUMP ELEMENT, GREASE PUMP</li> <li>• BLOCK ASSEMBLY -GREASE DISTRIBUTION</li> <li>• WIRING HARNESS - CHASSIS LUBRICATION</li> <li>• CONTROLLER ASSEMBLY – AUTOMATIC</li> </ul>	<ul style="list-style-type: none"> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
CLUTCH SYSTEM*	<ul style="list-style-type: none"> <li>• CLUTCH PEDAL</li> <li>• SHAFT - CLUTCH PEDAL</li> <li>• CLUTCH PEDAL LINKAGE</li> <li>• CLUTCH RELEASE BEARING</li> <li>• MASTER CYLINDER ASSEMBLY – CLUTCH</li> <li>• CONTROL ASSEMBLY - HYDRAULIC CLUTCH</li> <li>• SLAVE CYLINDER ASSEMBLY – CLUTCH</li> <li>• FORK - CLUTCH RELEASE</li> </ul>	<ul style="list-style-type: none"> <li>• PLATE ASSEMBLY - DRIVEN DISC, CLUTCH</li> <li>• FACINGS – CLUTCH</li> <li>• PLATE – INTERMEDIATE</li> <li>• PRESSURE PLATE &amp; COVER ASSEMBLY</li> <li>• BOLT - CLUTCH DRIVEN PLATE HUB</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
TRANSMISSION – MAIN, MANUAL*	<ul style="list-style-type: none"> <li>• TUBE - DIPSTICK, MANUAL TRANSMISSION</li> <li>• DIPSTICK - MANUAL TRANSMISSION</li> <li>• ROD - TRANSMISSION SUPPORT STRUT</li> <li>• HOUSING – CLUTCH</li> <li>• FITTING – AIR LINE, EXTERNAL CONTROL, MANUAL TRANSMISSION</li> <li>• FITTING – OIL COOLER HOSE, MANUAL TRANSMISSION</li> <li>• GEAR SHIFT LEVER AND KNOB</li> <li>• MOUNTING BRACKET, EXTERNAL SHIFT, MANUAL TRANSMISSION</li> </ul>	<ul style="list-style-type: none"> <li>• TRANSMISSION ASSEMBLY</li> <li>• AUTOMATED TRANSMISSION</li> <li>• TRANSMISSION CASE</li> <li>• BELL HOUSING</li> <li>• OIL FILTER</li> <li>• SEALS &amp; GASKETS</li> <li>• BOLTS - CLUTCH HOUSING TO ENGINE</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
TRANSMISSION – AUTOMATIC*	<ul style="list-style-type: none"> <li>• TUBE - OIL DIPSTICK</li> <li>• BRACKET - TUBE, OIL CHECK</li> <li>• MODULE - SHIFT SELECTOR</li> <li>• ROD ASSEMBLY – PARKING LOT ACTUATOR</li> <li>• HARDWARE, MOUNTING - BELL HOUSING TO ENGINE</li> <li>• BRACKET - REAR SUPPORT</li> <li>• SENSOR - TEMPERATURE, AUTOMATIC TRANSMISSION</li> <li>• ROD ASSEMBLY - PARKING LOCK ACTUATOR</li> <li>• SHIFT SELECTOR</li> <li>• WIRING HARNESS - SPEED SENSOR</li> <li>• SHIFT CONTROL LINKAGE</li> <li>• COOLER, MANIFOLD - ASSEMBLY</li> </ul>	<ul style="list-style-type: none"> <li>• AUTOMATIC TRANSMISSION</li> <li>• AUTOMATIC TRANSMISSION CASE</li> <li>• CONVERTER ASSEMBLY, AUTOMATIC TRANSMISSION</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
AUXILIARY TRANSMISSION*	<ul style="list-style-type: none"> <li>• CASE ASSEMBLY - AUXILIARY TRANSMISSION</li> <li>• HARDWARE, MOUNTING - AUXILIARY TRANSMISSION CASE COVER</li> <li>• BRACKET - AUXILIARY TRANSMISSION</li> <li>• BRACKET - CROSS MEMBER, AUXILIARY TRANSMISSION</li> <li>• SHIFT LEVER - PTO, AUXILIARY TRANSMISSION</li> </ul>	<ul style="list-style-type: none"> <li>• AUXILIARY TRANSMISSION ASSEMBLY COMPLETE</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
LIGHTING SYSTEM*	<ul style="list-style-type: none"> <li>• HOUSING ASSEMBLY – HEADLAMP</li> <li>• WIRING HARNESS – HEADLAMP</li> <li>• HOUSING ASSEMBLY - REAR LAMP (TAIL/STOP/TURN SIGNAL)</li> <li>• LAMP ASSEMBLY - TAIL, STOP, &amp; LICENSE COMBINATION, REAR</li> <li>• LED - REAR TAIL LIGHT / STOP LIGHT ASSEMBLY</li> <li>• HOUSING – TURN SIGNAL OPERATING SWITCH</li> <li>• LEVER - TURN SIGNAL OPERATING</li> <li>• HOUSING - FRONT TURN SIGNAL &amp; PARKING LAMP</li> <li>• HOUSING ASSEMBLY - TURN SIGNAL, REAR</li> <li>• HOUSING ASSEMBLY – SIDE TURN SIGNAL</li> <li>• WIRING HARNESSES (INCLUDING: POWER WINDOWS, POWER DOOR LOCKS, POWER SEATS, ABS SYSTEM, SPEED CONTROL, INFORMATION CENTER ASSEMBLY, et al)</li> </ul>	<ul style="list-style-type: none"> <li>• LIGHT BULBS, LAMPS, FUSES, FLUORESCENT BALLAST AND TUBES, LENS, HALOGEN CAPSULE, TRAILER WIRING CONNECTORS</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
FUEL SYSTEM*	<ul style="list-style-type: none"> <li>FUEL TANK, FILLER PIPE, VENT PIPE, GAUGE</li> <li>PEDAL &amp; LINKAGE ASSEMBLY – ACCELERATOR</li> <li>CONTROL MODULE – SPEED</li> <li>WIRING HARNESS - CRUISE CONTROL SYSTEM</li> <li>GPS MODULE - PREDICTIVE CRUISE CONTROL</li> <li>FUEL HEATER</li> </ul>	<ul style="list-style-type: none"> <li>FUEL TANK COOLER, FUEL TANK CAP, FILTERS, FILTER ELEMENTS, FILTER ASSEMBLIES, LABELS, SIGHT GLASS, FUEL PUMP ASSEMBLIES INCLUDING WIRING &amp; HARDWARE &amp; ELECTRONICS, FUEL INJECTION ASSEMBLIES INCLUDING WIRING &amp; HARDWARE &amp; ELECTRONICS, FUEL COMPONENTS PROVIDED BY ENGINE MANUFACTURER WITH THE ENGINE</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
VEHICLE COUPLING SYSTEM*	<ul style="list-style-type: none"> <li>PLATE - LOWER COUPLER, FIFTH WHEEL</li> <li>CYLINDER (AIR) - FIFTH WHEEL</li> <li>SLIDE OR SADDLE PLATE - SLIDING LOWER COUPLER ASSEMBLY</li> <li>LOCK ASSEMBLY - FIFTH WHEEL</li> <li>STOP - SLIDING FIFTH WHEEL</li> <li>FIFTH WHEEL ASSEMBLY - LOWER ELEVATING</li> <li>LEVER - OPERATING LINKAGE</li> <li>HOOK – PINTLE</li> <li>RAMP – FIFTH WHEEL</li> </ul>	<ul style="list-style-type: none"> <li>DRAW BAR</li> <li>COMBINATION TAG AXLE/CONVERTER DOLLY</li> <li>STEERING HITCH SYSTEM</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
AUXILIARY POWER UNIT (APU)*	<ul style="list-style-type: none"> <li>AUXILIARY POWER UNIT (APU) ASSEMBLY – COMPLETE (for failures related to DTNA manufacturing or DTNA Pre-Delivery (PDI) center installations)*</li> <li>PIPE – EXHAUST, APU</li> </ul>	<ul style="list-style-type: none"> <li>BATTERY – APU, FILTERS, FILTER ELEMENTS</li> <li>AUXILIARY POWER UNIT (APU) ASSEMBLY – COMPLETE WARRANTED BY SUPPLIER (THERMOKING, IMPCO/CARRIER)*</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
CAB & SHEET METAL*	<ul style="list-style-type: none"> <li>• GRILLE – RADIATOR</li> <li>• FENDER ASSEMBLY - CAB, FRONT</li> <li>• FENDER - CAB, REAR</li> <li>• PANEL ASSEMBLY – HOOD</li> <li>• PANEL ASSEMBLY - COWL, CAB</li> <li>• PANEL - ROOF, CAB</li> <li>• PILLAR A, B, &amp; C</li> <li>• STORAGE COMPARTMENT – CAB, SIDE</li> <li>• DASH ASSEMBLY</li> <li>• MIRROR - MOTORIZED &amp; HEATED</li> <li>• WIRING HARNESS – MIRROR</li> <li>• ARMREST - CAB OR FRONT DOOR</li> <li>• SEAT BELT &amp; RETAINER ASSEMBLY</li> <li>• ROCKER PANEL</li> <li>• FLOOR PAN - CAB OR FRONT</li> <li>• CAB ASSEMBLY – COMPLETE</li> <li>• DOOR ASSEMBLY - CAB OR FRONT</li> <li>• FRAME - DOOR, FRONT OR ENTRANCE</li> <li>• WIRING HARNESS - POWER WINDOW</li> <li>• ACTUATOR - ELECTRIC DOOR LOCK</li> <li>• MOTOR &amp; TRANSMISSION - ELECTRIC WINDOW REGULATOR</li> <li>• AIR BAG – ASSEMBLY, DRIVER SIDE, FRONT</li> <li>• SEAT ASSEMBLY</li> <li>• MOTOR ASSEMBLY - WINDSHIELD WIPER</li> </ul>	<ul style="list-style-type: none"> <li>• MUD FLAPS, HANGER - MUD FLAP, HARDWARE, MOUNTING - MUD FLAP, CLIPS, SPRINGS, GLASS, WINDSHIELD GLASS, WINDSHIELD GLASS - CORNER, WINDOW SEAL - MEETING RUBBER, GLASS - QUARTER WINDOW, GLASS - SIDE SLIDING, GLASS - REAR DOOR, GLASS - CAB OR FRONT DOOR, GLASS - BACK WINDOW, GLASS - SIDE DOOR, WINDSHIELD RUBBER SEAL, WIRING HARNESS – HEATED WINDSHIELD, DECALS, FLOOR MATS, CARPET – FLOOR, MIRROR GLASS</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
INSTRUMENTS, GAUGES, WARNING*	<ul style="list-style-type: none"> <li>OIL PRESSURE GAUGE &amp; LINE</li> <li>AMMETER</li> <li>WATER TEMP GAUGE &amp; SENDING UNIT</li> <li>FUEL GAUGE ASSEMBLY &amp; SENDING UNIT</li> <li>DOOR CHIME RELAY</li> <li>SPEEDOMETER HEAD &amp; ODOMETER</li> <li>WIRING HARNESS - SPEEDOMETER</li> <li>MULTIPLEXER CAB</li> <li>WIRING HARNESS – MULTIPLEXER</li> <li>SOFTWARE - CPU, MULTIPLEXER UNIT</li> </ul>	<ul style="list-style-type: none"> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
AERODYNAMIC DEVICES*	<ul style="list-style-type: none"> <li>DEFLECTOR - AIRFOIL, ROOF MOUNTED</li> <li>MOUNTING BRACKET - ROOF AIR DEFLECTOR</li> <li>FAIRING – ASSEMBLY, COMPLETE, ROOF MOUNTED</li> <li>FAIRING – CHASSIS</li> <li>FAIRING – CAB EXTENDER</li> <li>AIR DEFLECTOR - CAB FRONT</li> </ul>	<ul style="list-style-type: none"> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
STEERING*	<ul style="list-style-type: none"> <li>STEERING WHEEL ASSEMBLY</li> <li>STEERING COLUMN</li> <li>WIRING - HARNESS, STEERING COLUMN</li> <li>STEERING GEAR ASSEMBLY</li> <li>ARM – PITMAN</li> <li>TIE ROD – RIGHT &amp; LEFT</li> <li>TIE ROD END ASSEMBLY</li> <li>PRESSURE RELIEF VALVE - POWER STEERING PUMP</li> <li>COOLER ASSEMBLY - OIL PUMP</li> <li>PUMP ASSEMBLY - POWER CYLINDER</li> <li>MOUNTING HARDWARE – POWER STEERING PUMP</li> <li>STEERING SHAFT</li> </ul>	<ul style="list-style-type: none"> <li>STEERING STABILITY SYSTEM</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
TIRES, TUBES, LINERS & VALVES*	<ul style="list-style-type: none"> <li>VALVE - RELIEF - TIRE PRESSURE INFLATION AND MONITORING SYSTEMS</li> <li>PNEUMATIC CONTROL UNIT (PCU)</li> <li>DISPLAY - TIRE PRESSURE MONITORING SYSTEM</li> <li>CONTROLS, CENTRAL TIRE INFLATION SYSTEM</li> </ul>	<ul style="list-style-type: none"> <li>TIRES</li> <li>TUBES</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
WHEELS, RIMS, HUBS & BEARINGS*	<ul style="list-style-type: none"> <li>HUB ASSEMBLY - PREADJUSTED, FRONT STEER WHEEL</li> <li>HUB &amp; DRUM ASSEMBLY - FRONT STEER WHEEL</li> <li>HUB &amp; ROTOR - ASSEMBLY, FRONT STEER WHEEL</li> <li>HUB ASSEMBLY - PREADJUSTED, REAR DRIVE WHEEL</li> <li>HUB &amp; ROTOR ASSEMBLY - REAR DRIVE AXLE</li> <li>WHEEL ASSEMBLY - STEER AXLE</li> <li>WHEEL ASSEMBLY - DRIVE AXLE</li> <li>WHEEL ASSEMBLY - PUSHER AXLE</li> <li>WHEEL ASSEMBLY - TAG AXLE</li> <li>HUB &amp; CUP ASSEMBLY - TAG OR PUSHER WHEEL</li> </ul>	<ul style="list-style-type: none"> <li>WHEEL COVERS</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
TRANSFER CASE*	<ul style="list-style-type: none"> <li>SHIFT SHAFT - TRANSFER CASE</li> <li>MOUNTING HARDWARE – TRANSFER CASE</li> <li>WIRING HARNESS – TRANSFER CASE</li> <li>SKID PLATE – TRANSFER CASE</li> <li>TUBE – LUBE, OIL COOLER, TRANSFER CASE</li> <li>SPEED SENSOR - TRANSFER CASE</li> </ul>	<ul style="list-style-type: none"> <li>TRANSFER CASE ASSEMBLY</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
SUPPLEMENTAL INFORMATION DEVICES*	<ul style="list-style-type: none"> <li>DETROIT ASSURANCE</li> <li>CPU - COLLISION AVOIDANCE SYSTEM</li> <li>CAMERA - COLLISION AVOIDANCE SYSTEM</li> <li>DISPLAY UNIT - DRIVER, COLLISION AVOIDANCE SYSTEM</li> <li>SOFTWARE - COLLISION AVOIDANCE SYSTEM</li> <li>LANE DEPARTURE</li> </ul>	<ul style="list-style-type: none"> <li>ASSET TRACKING ASSEMBLY – COMPLETE</li> <li>SURVEILLANCE SYSTEM</li> <li>SYSTEMS WARRANTED BY SUPPLIERS</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
MODULES/RELAYS – ELECTRICAL*	<ul style="list-style-type: none"> <li>MODULE – BULKHEAD</li> <li>MODULE - CHASSIS</li> </ul>	<ul style="list-style-type: none"> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
EXHAUST SYSTEM*	<ul style="list-style-type: none"> <li>MUFFLER</li> <li>PIPE ASSEMBLY – EXHAUST</li> <li>PIPE - STACK, EXHAUST</li> </ul>	<ul style="list-style-type: none"> <li>TURBOCHARGER ASSEMBLY</li> <li>EXHAUST BRAKE AND RELATED COMPONENTS</li> <li>FILTER - DIESEL PARTICULATE, EXHAUST AFTER-TREATMENT DEVICES</li> <li>EXCLUDES ENGINE COMPONENTS</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
DTNA CHASSIS ATS COMPONENTS*	<ul style="list-style-type: none"> <li>BELLOWS - CONNECTOR, AFTERTREATMENT TO EGR</li> <li>PIPE - INTERMEDIATE, AFTERTREATMENT TO EGR</li> <li>DIESEL EXHAUST FLUID (DEF) TANK AND MOUNTING</li> <li>DEF COOLANT SUPPLY VALVE AND COOLANT LINES</li> <li>DEF SYSTEM AIR PRESSURE REGULATOR AND ASSOCIATED AIR LINES</li> <li>ELECTRICALLY-HEATED DEF LINES</li> <li>MOUNTING BRACKET AND PROTECTIVE COVER FOR AFTERTREATMENT CONTROL MODULE</li> <li>DEF PUMP MOUNTING AND PROTECTIVE COVER</li> <li>DEF SYSTEM CHASSIS INTERFACE HARNESS</li> </ul>	<ul style="list-style-type: none"> <li>1-BOX</li> <li>ALL ATS COMPONENTS SUPPLIED BY ENGINE MANUFACTURER</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
GENERAL ACCESSORIES*	<ul style="list-style-type: none"> <li>TACHOMETER ASSEMBLY – MECHANICAL</li> <li>HARDWARE, MOUNTING - COMPLETE NAVIGATION SYSTEM ASSEMBLY, GPS</li> <li>HEAD - NAVIGATION SYSTEM, GPS</li> <li>MONITOR - CONTROL, DASH MOUNTED, GPS</li> <li>WIRING - NAVIGATION SYSTEM, GPS</li> </ul>	<ul style="list-style-type: none"> <li>AIR PUMP ASSEMBLY - ON BOARD</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
ELECTRICAL ACCESSORIES*	<ul style="list-style-type: none"> <li>RADIO</li> <li>SPEAKER ASSEMBLY – RADIO</li> <li>WIRING HARNESS – RADIO</li> <li>SPEAKER ASSEMBLY - RADIO</li> <li>INVERTER, POWER - AC TO DC; DC TO AC</li> </ul>	<ul style="list-style-type: none"> <li>TELEVISION – ASSEMBLY</li> <li>REFRIGERATOR – ASSEMBLY</li> <li>RADAR DETECTOR ASSEMBLY</li> <li>ASSEMBLY - COMPLETE, CELL PHONE</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>
HORNS & MOUNTINGS & REVERSE SIGNAL ALARMS*	<ul style="list-style-type: none"> <li>HORN ASSEMBLY – AIR</li> <li>HARDWARE, MOUNTING - HORN ASSEMBLY</li> <li>WIRING, HORN - STEERING COLUMN</li> <li>HORN ASSEMBLY – CITY</li> <li>COMPRESSOR - AIR HORN</li> <li>HORN – ELECTRIC</li> <li>ALARM - REVERSE SIGNAL</li> <li>HARDWARE, MOUNTING - REVERSE SIGNAL ALARM</li> </ul>	<ul style="list-style-type: none"> <li>SIREN ASSEMBLY</li> <li>COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

INCLUDED SYSTEMS	INCLUDED ASSEMBLIES AND/OR PARTS	EXCLUDED ASSEMBLIES AND/OR PARTS
POWER TAKE-OFF*	<ul style="list-style-type: none"> <li>• PTO ASSEMBLY – COMPLETE</li> <li>• WIRING HARNESS - CONTROL, PTO</li> <li>• LEVER - CONTROL, PTO</li> </ul>	<ul style="list-style-type: none"> <li>• BELT - HYDRAULIC PUMP DRIVE, PTO</li> <li>• BELT - AUXILIARY DRIVE, PTO</li> <li>• FILTER - BREATHER, PTO</li> <li>• COMPONENTS, PARTS, OR CONDITIONS EXCLUDED BY SECTION 1 AND SECTION 6 OF WARRANTY MANUAL</li> </ul>

\*DTNA DOES NOT COVER COMPONENTS SUPPLIED BY THIRD PARTY AND COVERED BY MANUFACTURER’S WARRANTY SUCH AS EATON OR ALLISON. DTNA DOES NOT COVER PARTS THAT ARE SUBJECT TO CONSUMPTION DURING THEIR NORMAL SERVICE LIFE AND ARE ROUTINELY REPLACED DURING NORMAL SERVICES. SEE SECTION 6 OF WARRANTY MANUAL FOR SUPPLIER WARRANTY GUIDELINES. SEE SECTION 1 OF WARRANTY MANUAL FOR LIMITATION OF LIABILITY, AND FOR COMPONENT, PART, AND CONDITION EXCLUSIONS.

**\*\*THIS LIST IS INTENDED AS AN OVERVIEW ONLY AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL CLAIMS SUBJECT TO CLAIM CODE RESTRICTIONS. IF YOU NEED CLARIFICATION, PLEASE CONTACT [ASPHelp@Daimler.com](mailto:ASPHelp@Daimler.com)**



# Extended Service Coverage – EW4



**DETROIT**  
EXTENDED COVERAGE



# EW 4

**COVERED**

Aftertreatment Control Module	Cylinder Head Gasket	Hydrocarbon Fuel Line	Pistons (rings, pins, retainers)
Aftertreatment Nox Sensors	Cylinder Liner	Hydrocarbon Injection Valve	Rocker Arm Assembly
Aftertreatment Pressure Sensors	DEF Pump/Metering Unit/Injection Unit	Hydrocarbon Metering Unit	Rocker Cover & Seals
Aftertreatment System Mounting	EGR System	Integrated Engine Brake	SCR Catalyst & Housing
Aftertreatment Temperature Sensors	Electrical Harness & Connectors**	Low Pressure Fuel Pump	Seals – Front & Rear Crankshaft
Air Compressor	Engine-Mounted Sensors	Main Bearing Bolts	Thermostat Housing & Gasket
Air Inlet Manifold	Exhaust Manifold & Bellows	Main Bearings	Turbocharger
Air Intake Throttle Valve	Fan Support Assembly	MCM/CPC	Turbo Compound Device &
Alternator Bracket*	Flywheel, Housing and Gasket Fuel	Oil Cooler, Housing & Gaskets	Coupling Turbocharger Outlet
Belt Tensioner	Filter Housing	Oil Pan & Seals	Elbow
Brackets & Clamps	Fuel Injectors	Oil Press REG & Relief Valves	Valves (exhaust, intake)
Camshaft Assembly (including seals)	Gear Case	Oil Pump	Valve Springs, Guides, Inserts
Cold Pipe Assembly	Gear Train		Vibration Damper
Connecting Rod, Bearings & Bolts	Gear Train/Timing Case Gasket Diesel		Water Pump
Cooler Inlet Pipe	Oxidation Catalyst & Housing Diesel		Water Pump Seal
Crankcase Breather Oil Separator	Particulate Filter & Housing High		
Crankshaft Thrust Washer	Pressure Fuel System & Lines		
Cylinder Block			
Cylinder Head Assembly			

**NOT  
COVERED**

Accessories (i.e. Generator, Alternator, Starting Motor, Vacuum Pump, Hydraulic Pump)  
Maintenance Seals  
Replacement of Pistons, Rings and Cylinder Liners Resulting from Wearout

*\*If supplied by Detroit.*

*\*\*Engine harnesses and connectors installed at the Detroit plant only. Harnesses and connectors not installed at the Detroit plant can be covered under separate chassis coverage available for purchase.*

*Note: Component line is not inclusive. This list is intended as an overview only and specification are subject to change without notice.*



**DETROIT**



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## EXTENDED SERVICE COVERAGE

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# CHASSIS EXTENDED SERVICE COVERAGE

### TOWING (WAG):

Max payment as displayed, per occurrence, for towing or roadside assistant for a defect in material and workmanship of a component that prevents the safe and lawful operation of the vehicle. If towing is associated with a DTNA warrantable failure, towing charges must be filed on the same claim.

Excludes: Damage to the vehicle from improper towing.

1200.00 per tow covered

*DTNA does not cover components supplied by third party and covered by manufacturer's warranty such as Eaton or Allison. DTNA does not cover parts that are subject to consumption during their normal service life and are routinely replaced during normal services. DTNA does not cover non-factory installed components or parts, or progressive damage caused by failure of such components or parts, including, but not limited to, non-factory installed glider, bodybuilder, dealer and customer installed components and parts. See Section 6 of Warranty Manual for supplier warranty guidelines. See Section 1 of Warranty Manual for limitations of liability, and for components, part, and condition exclusions.*

*All claims subject to claim code restrictions.*

[www.aftermarketserviceproducts.com](http://www.aftermarketserviceproducts.com)

# DETROIT EXTENDED SERVICE COVERAGE PLAN DETROIT DT12 TRANSMISSION – DETROIT DT12 CLUTCH



## TERMS OF COVERAGE

Detroit Diesel Corporation (“Detroit”) offers the following Extended Service Coverage options for Detroit™ DT12 transmissions/clutches. Only transmissions/clutches that are sold at retail and used in the U.S. and Canada are eligible for coverage. In addition, the Extended Service Coverage Level provided and the applicable Coverage Period may vary.

Under the Extended Service Coverage plan, Detroit will pay for the parts and labor necessary to repair a Covered Component that fails during normal use and service due to defects in material or workmanship (“Covered Failure”) and that is reported to an authorized Detroit service outlet during the Coverage Period. Extended Service Coverage includes the removal, repair, or replacement of the Covered Component and the replacement of service supplies, i.e., lubricants, coolant and filters when not reusable as a result of a Covered Failure, and includes the repair of progressive damage to any transmission/clutch part resulting from a Covered Failure. All repairs must be performed by an authorized Detroit service outlet.

The applicable Coverage Period begins after the new product warranty for the Eligible Product expires, and ends when the time or distance limit specified in OWL. Time and distance limits are measured from the original in-service date to the first retail purchaser. Any remaining Extended Service Coverage will automatically transfer to subsequent owner(s).

The following table shows the Covered Components associated with each Extended Service Coverage Level:

Coverage Level	COVERED COMPONENTS
DT12 Transmission	<b>Includes:</b> All transmission components supplied by Detroit not excluded below. <b>Excludes:</b> Clutch, Yokes, Yoke Sealing Surface, Transmission Actuator/Automated Manual Shift Controller (12V AMT), Clutch Release Cylinder/Concentric Pneumatic Clutch Actuator (CPCA), Flywheel Pilot Bearing, PTO, oil cooler & oil cooler lines
DT12 Clutch	<b>Includes:</b> All Clutch components supplied by Detroit not excluded below. <b>Excludes:</b> Transmission, Yokes, Yoke Sealing Surface, Transmission Actuator/Automated Manual Shift Controller (12V AMT), Clutch Release Cylinder, Release bearing, Flywheel Pilot Bearing, PTO



## **Extended Service Coverage Does Not Cover**

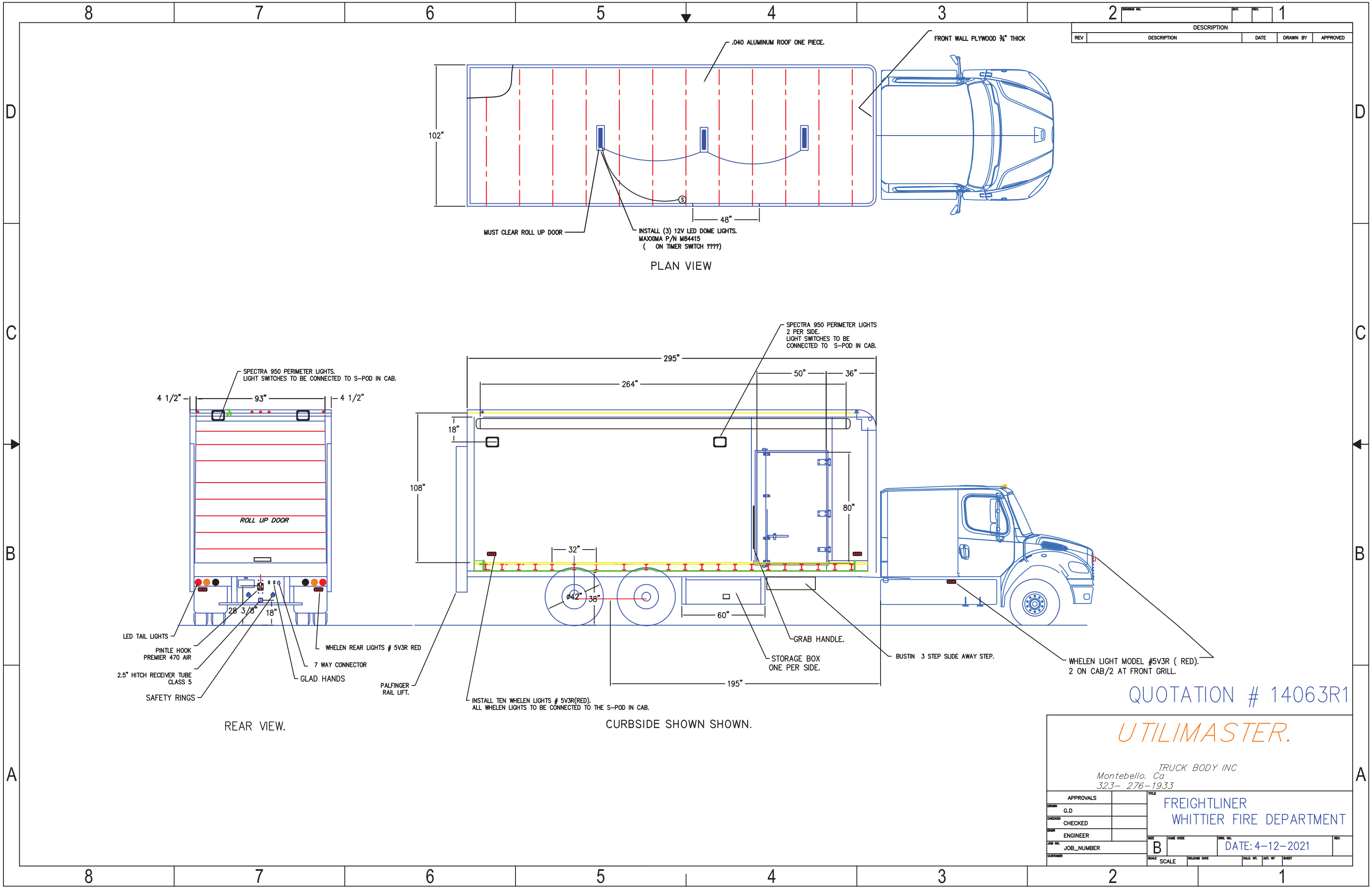
Extended Service Coverage does not cover any of the following:

1. The replacement of normal maintenance items as outlined in the Driver's/Maintenance Manual (such as filters, hoses, and fluids);
2. Performance of scheduled or preventive maintenance, unless required due to the failure of a Covered Component.
3. Parts not furnished by Detroit, or parts furnished by another manufacturer or equipment supplier as part of the original vehicle or equipment.
4. Progressive damage to any part, including Covered Components, resulting from a failure of a part not covered by this Agreement.
5. Failure due to misuse, negligence, accident, alteration, misapplication, lack of proper maintenance, or the use of parts not approved by Detroit.
6. Repairs or replacement of Covered Components not performed by an authorized Detroit service outlet.
7. Failures covered by a repairing outlet's guarantee.
8. Loss of time, loss of use of the product, inconvenience, lodging, food or other consequential loss that may result from a failure.
9. Towing, overtime, mechanic's travel time and/or mileage, storage, or freight charges.
10. Failures attributable to wear-out.
11. Repairs to non-covered parts.
12. Damage caused by improper towing.
13. Damage caused by use of improper lubricant.

## **Owner Responsibilities**

The Owner of the Eligible Product is responsible for the following:

1. The performance of regular maintenance services as specified in the Driver's/Maintenance Manual;
2. In the event of a failure, the Owner must: a) use all reasonable means to protect the transmission/clutch from further damage; b) notify an authorized Detroit service outlet of the failure as soon as possible; provide the Detroit service outlet or Detroit with any information reasonably required.



DESCRIPTION				
REV	DESCRIPTION	DATE	DRAWN BY	APPROVED

QUOTATION # 14063R1

UTILIMASTER.		TRUCK BODY INC	
Montebello, Ca		323- 276-1933	
APPROVALS		TITLE	
DRAWN	G.D	FREIGHTLINER	
CHECKED	CHECKED	WHITTIER FIRE DEPARTMENT	
ENGINEER			
JOB NO.	JOB_NUMBER	SCALE	DATE: 4-12-2021
CUSTOMER		SCALE	RELEASE DATE

**EXHIBIT E: PRICING PAGE**

The Orange County Fire Authority (OCFA) reserves the right to select the appropriate equipment for the Authority based on any combination of price, immediate availability, design, utility services, repair support or other features that are deemed to be in the best interest of the Authority. All factors will be considered in the selection process.

**In a separate sealed envelope**, please provide *one original copy* of itemized pricing for the Freightliner Cascadia, as configured, including training, warranty and other costs. Reference to the pricing should not be included in any of the other submittals. The pricing should include the total price proposed to provide all the deliverables requested by the OCFA, and offered by your company, in this RFP. Check your calculations before submitting your proposal; OCFA will not be responsible for miscalculations.

**PRICING FOR FREIGHTLINER CASCADIA PER SPEC 22-52-01**

Item	Description	Unit of Measure	Qty	Unit Price	Ext. Total
1	<b>2022 FREIGHTLINER CASCADIA</b> Per Specification No. 22-52-01 YEAR: <u>2022/2023</u> MAKE: <u>Freightliner</u> MODEL: <u>Cascadia 116slp</u>	Each	1	242,799.00	242,799.00
Sales Tax (7.75%)					\$ 18,823.51
Subtotal					\$ 261,622.51
2	Tire Fee per vehicle, non-taxable	Each	1	\$ 19.25	\$ 19.25
3	Exact transportation charges, if any, non-taxable	LOT	1	\$ 350.00	\$ 350.00
4	Documentation Fees	Each	1	\$ 115.00	\$ 115.00
5	Final Inspection Trip cost <b>per person</b>	Each	2	\$ 0	\$ 0
Inspection will be in Montebello, CA					<b>Total</b> \$ 262,106.76

Provide a detailed description of the warranty included with the purchase of the Freightliner Cascadia or approved equivalent and included assembled components. The warranty statement will include the manufacturer's obligations and capability of furnishing parts and technical assistance to OCFA for the normal life of the vehicle.

one year cab and chassis, two years engine, 5 years emissions, 5 years axle



one year body and liftgate

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Is the warranty a “single-source warranty”? What are the duration periods of the optional “single-source warranty”? Provide the guaranteed response time for resolution of warranty issued after notification from Fleet Services is received.

Chassis is any Freightliner authorized service center, body/liftgate is Utilimaster

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Provide a detailed description and price for an optional extended warranty for the proposed vehicle and major assembled components. Please specify those components that are covered, those items where the standard component warranty is extended and also those items that are specifically not covered by the optional extended warranty.

EW4 7yr eng 250K miles add 6495.00 TC4 7yr/100k cab and chassis coverage add 4000.00, 7yr trans, 900.00 5yr clutch 500.00, 7yr tow policy (1200.00 coverage Per warranty

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failure) \$2,200.00

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**PRICE CHANGES:** Contract pricing shall remain fixed for one (1) year from the issuance of the initial Purchase Order. Price changes after the first year purchase shall be negotiated, but shall not exceed the most recent available 12-month period for the Producer Price Index (PPI) for Heavy Duty Truck MFG, Series ID PCU336120336120. Vendors must provide verifiable documentation from the manufacturer for any price changes in excess of the PPI. Any such requests must include dated manufacturer list prices at the time that the proposal was submitted and dated manufacturer lists prices at the time the increase was requested. OCFA’s determination will be final. **VENDOR INITIAL:** JB

Please indicate the month in which the Manufacturers annual price increases typically go into effect?

typically July or August, this year it will happen in April due to huge increase in order intake

---

**GOVERNMENT / CO-OPERATIVE CONTRACT:** Is your pricing based on a Government or Co-operative contract? **YES** \_\_\_\_\_ **NO** <sup>x</sup> \_\_\_\_\_

If yes, please provide details of which agency and contract the pricing is based on:

---

**"PIGGYBACK" CLAUSE.** Offeror shall indicate below if they will extend the same prices, terms, and conditions of the proposal to other public agencies. Offeror's response to this question will not be considered in award of contract. When the Offeror extends the prices, terms, and conditions of this proposal to other public agencies, the contract shall be between Offeror and the other agencies, and the Orange County Fire Authority shall bear no responsibility or liability for the contracts. **Yes** <sup>x</sup> **No** \_\_\_\_\_

**PAYMENT TERMS:** Subsequent to delivery and acceptance of delivery, the supplier must submit an invoice for payment. Invoices can be sent electronically to: [ap@ocfa.org](mailto:ap@ocfa.org) or mailed to:

Orange County Fire Authority  
Attention: Accounts Payable  
PO Box 53008  
Irvine, CA 92619

Invoices shall include the Company's Federal Tax ID#, Purchase Order #, quantity & description of the product delivered, the delivery location, date of delivery and price. Payment shall be made within thirty (30) days after receipt of accurate invoice. Invoices are to be submitted in arrears for goods provided. OCFA will endeavor to honor any "prompt payment discounts" when appropriately earned. Payment discounts must be clearly indicated in the bid submission. Payment discount periods shall be computed from the date of receipt of the material/service or correct invoice, whichever is later, to the date OCFA's warrant is mailed.

**TERM OF OFFER** - It is understood and agreed that this offer may not be withdrawn for a period of one hundred eighty days (180) from the Proposal Submittal Deadline, and at no time in case of successful Offeror.

Due to current market volatility our pricing is good for 60day.  
beyond that time is subject to commodity surcharges and model year  
escalators



## **EXHIBIT F: PARTY AND PARTICIPANT DISCLOSURE FORMS**

**Campaign Contributions Disclosure:** In conformance with the statutory requirements of the State of California Government Code Section 84308, part of the Political Reform Act and Title 2, California Code of Regulations 18438 through 18438.8, regarding campaign contributions to members of appointed Boards of Directors, Offeror is required to complete the attached Party and Participant Disclosure Forms and submit as part of the proposal, **if applicable**.

Offeror is required to submit only one copy of the completed form(s) as part of its proposal. This/these form(s) should be included in the original RFP. The Offeror and subcontractors must complete the form entitled "Party Disclosure Form". Lobbyists or agents representing the Offeror in this procurement must complete the form entitled "Participant Disclosure Form". Reporting of campaign contributions is a requirement from the proposed submittal date up and until the OCFA Board of Directors takes action.

### **ORANGE COUNTY FIRE AUTHORITY BOARD OF DIRECTORS**

**David John Shawver, Chair**  
City of Stanton

**Ross Chun, Director**  
City of Aliso Viejo

**Frances Marquez, Director**  
City of Cypress

**John O'Neill, Director**  
City of Garden Grove

**Don Sedgwick, Director**  
City of Laguna Hills

**Noel Hatch, Director**  
City of Laguna Woods

**Shelley Hasselbrink, Director**  
City of Los Alamitos

**Carol Gamble, Director**  
City of Rancho Santa Margarita

**Troy Bourne, Director**  
City of San Juan Capistrano

**Joe Kalmick, Director**  
City of Seal Beach

**Vince Rossini, Director**  
City of Villa Park

**Eugene Hernandez, Director**  
City of Yorba Linda

**Lisa Bartlett, Director**  
County of Orange

**Michele Steggell, Vice Chair**  
City of La Palma

**Sunny Park, Director**  
City of Buena Park

**Joseph Muller, Director**  
City of Dana Point

**Anthony Kuo, Director**  
City of Irvine

**Sandy Rains, Director**  
City of Laguna Niguel

**Mark Tettemer, Director**  
City of Lake Forest

**Ed Sachs, Director**  
City of Mission Viejo

**Kathy Ward, Director**  
City of San Clemente

**Jessie Lopez, Director**  
City of Santa Ana

**Letitia Clark, Director**  
City of Tustin

**Tri Ta, Director**  
City of Westminster

**Donald Wagner, Director**  
County of Orange

must also be included as part of the aggregation. Campaign contributions made to different directors or their alternates are not aggregated.

G. A list of the members and alternates of the Board of Directors is attached.

This notice summarizes the major requirements of Government Code Section 84308 of the Political Reform Act and 2 Cal. Adm. Code Sections 18438-18438.8 as it relates to contract awards.

<sup>1</sup> Entitlement for the purposes of this form refers to contract award.

<sup>2</sup> All Contracts for the purposes of this form refer to the contract award of this specific solicitation.

### PARTY DISCLOSURE FORM

Party's Name: \_\_\_\_\_

Party's Address: \_\_\_\_\_

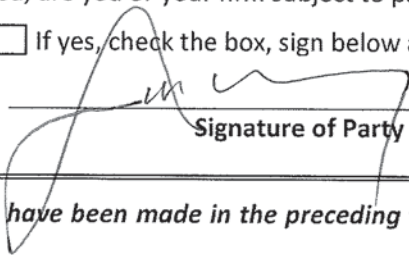
Party's Telephone: \_\_\_\_\_

Solicitation Title and Number: \_\_\_\_\_

Based on the party disclosure information provided, are you or your firm subject to party disclosures?

No ☒ If no, check the box and sign below. Yes ☐ If yes, check the box, sign below and complete the form.

Date: 7/12/2021

  
Signature of Party and/or Agent

*To be completed only if campaign contributions have been made in the preceding twelve (12) months. Attach additional copies if needed.*

Board Member(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: \_\_\_\_\_

Name of Contributor (if other than Party): \_\_\_\_\_

Date(s): \_\_\_\_\_

Amount(s): \_\_\_\_\_

Name of Member: \_\_\_\_\_

Name of Contributor (if other than Party): \_\_\_\_\_

Date(s): \_\_\_\_\_

Amount(s): \_\_\_\_\_

proceeding for this proposed involving a contract award. If an agent acting as an employee or member of a law, architectural, engineering, or consulting firm, or a similar business entity or corporation, both the business entity or corporation and the individual are agents.

4. To determine whether a campaign contribution of more than \$250 has been made by a participant or his or her agent, contributions made by the participant within the preceding 12 months shall be aggregated with those made by the agent within the preceding 12 months or the period of the agency, whichever is shorter. Campaign contributions made to different members or alternates are not aggregated.
5. A list of the members and alternates of the Board of Directors is attached.
- This notice summarizes the major requirements of Government Code Section 84308 and 2 Cal. Adm. Code Sections 18438-18438.8.

**PARTICIPANT (AGENT) DISCLOSURE FORM**

Prime's Firm Name: Los Angeles Truck Centers, LLC

Party's Name: \_\_\_\_\_

Party's Address: \_\_\_\_\_

Party's Telephone: \_\_\_\_\_

Solicitation Title and Number: \_\_\_\_\_

Based on the participant disclosure information provided, are you or your firm subject to participant disclosures?

No ☒ If no, check the box and sign below. Yes ☐ If yes, check the box, sign below and complete the form.

Date: 4/12/21

  
Signature of Party and/or Agent

*To be completed only if campaign contributions have been made in the preceding twelve (12) months. Attach additional copies if needed.*

Board Member(s) to whom you and/or your agent made campaign contributions and dates of contribution(s) in the preceding 12 months:

Name of Member: \_\_\_\_\_

Name of Contributor (if other than Party): \_\_\_\_\_

Date(s): \_\_\_\_\_

Amount(s): \_\_\_\_\_

Name of Member: \_\_\_\_\_

Name of Contributor (if other than Party): \_\_\_\_\_

Date(s): \_\_\_\_\_

Amount(s): \_\_\_\_\_



# Request for Taxpayer Identification Number and Certification

Give Form to the  
requester. Do not  
send to the IRS.

► Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Print or type.  
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

**Los Angeles Truck Centers, LLC**

2 Business name/disregarded entity name, if different from above

**Velocity Truck Centers, Velocity Vehicle Group, Los Angeles Freightliner**

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC

☐ C Corporation

☐ S Corporation

☐ Partnership

☐ Trust/estate

☒ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► **S**

**Note:** Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) \_\_\_\_\_

Exemption from FATCA reporting code (if any) \_\_\_\_\_

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

**PO BOX 101284**

6 City, state, and ZIP code

**PASADENA, CA. 91189**

7 List account number(s) here (optional)

Requester's name and address (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

\_\_\_\_ - \_\_\_\_ - \_\_\_\_

or

Employer identification number

\_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_ - \_\_\_\_

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign  
Here

Signature of  
U.S. person ►

**Araceli Franco**

Digitally signed by Araceli Franco  
DN: cn=Araceli Franco, o=, ou=, email=araceli@vgttruck.com, c=US  
Date: 2018.01.04 13:10:59 -0500

Date ►

**10/26/18**

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

**EXHIBIT H: OFFEROR'S INFORMATION**

Please complete and/or provide all requested information. If the proposal is submitted by a corporation, please provide an additional attachment that states the names of the officers who can sign an agreement on behalf of the corporation and whether more than one officer must sign. If the proposal is by a partnership or a joint venture, state the names and addresses of all general partners and joint venture parties. If the respondent is a sole proprietorship or another entity that does business under a fictitious name, the proposal shall be in the real name of the respondent with a designation following showing "DBA (the fictitious name)," provided however, that no fictitious name shall be used unless there is a current registration with the Orange County Recorder.

The undersigned, as respondent, declares that all documents regarding this proposal have been examined and accepted and that, if awarded, will enter into a contract with the Orange County Fire Authority.

**FIRM'S LEGAL NAME:** Los Angeles Truck Centers, LLC

**FIRM PARENT OR OWNERSHIP:** \_\_\_\_\_

**ADDRESS:** 2429 S. Peck Rd Whittier, CA 90601

**FIRM TELEPHONE #:** 562-447-1200 **FIRM FAX #:** 866-416-8817

**FIRM'S TAX I.D. NUMBER:** [REDACTED] **INCORPORATED:** YES ☒ NO ☐

**LEGAL FORM OF COMPANY:** (partnership, corporation, joint venture): LLC

**LENGTH OF TIME YOUR FIRM HAS BEEN IN BUSINESS:** 44 years

**LENGTH OF TIME AT CURRENT LOCATION:** 44 years

**NUMBER OF EMPLOYEES:** apx 2200 **NUMBER OF CURRENT CLIENTS:** 4500

*Management person responsible for direct contact with the Orange County Fire Authority and service required for this Request for Proposal (RFP).*

**NAME:** James K. Blakely **TITLE:** Fleet and Gov. Sales

**TELEPHONE #:** 714-357-0024 **E-MAIL:** jblakely@vvgtruck.com

*Person responsible for the day-to-day servicing of the account.*

**NAME:** Same **TITLE:** \_\_\_\_\_

**TELEPHONE #:** \_\_\_\_\_ **E-MAIL:** \_\_\_\_\_



## EXHIBIT I: CERTIFICATION OF PROPOSAL

In responding to RFP JA2487 – Freightliner Cascadia, the undersigned Offeror(s) agrees to provide the vehicle to OCFA per the specifications. Offeror further agrees to the terms and conditions specified herein and the following terms and conditions that are a part of this proposal and resulting Master Agreement. **If there are any exceptions to or deviations from the terms of the Master Agreement (Exhibit J), they must be stated in an attachment included with the offer.** Where Offeror wishes to propose alternatives to the Authority's contractual requirements, these should be thoroughly explained. While exceptions will be considered, OCFA reserves the right to determine that an offer is non-responsive based upon any exceptions taken. OCFA's governing body reserves the right to deny any material exceptions to the contract. If no contractual exceptions are noted, Offeror will be deemed to have accepted the terms and conditions as set forth.

- A. The Offeror hereby certifies that the individual signing the submittal is an authorized agent for the Offeror and has the authority to legally bind the Offeror to the Contract. Signature below verifies that the Offeror has read, understands, and agrees to the conditions contained herein and on all of the attachments and agenda.
- B. The submission of the offer did not involve collusion or other anti-competitive practices.
- C. The Offeror has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, meal or service to a public servant in connection with the submitted offer.
- D. The Offeror has submitted the Party, Participant (Agent) Disclosure Form if applicable.
- E. The Offeror shall not discriminate against any employee or applicant for employment in violation of Federal or State law.
- F. The Offeror complies fully with the Federal Debarment Certification regarding debarment suspension, ineligibility and voluntary exclusion.

### Independent Price Determination:

I certify that this offer is made without prior understanding, arrangement, agreement, or connection with any corporation, firm or person submitting an offer for the same services, and is in all respects fair and without collusion or fraud. I certify that I have not entered into any arrangement or agreement with any Orange County Fire Authority public officer. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards. I agree to abide by all conditions of this offer and certify that I am authorized to sign this agreement for the Offeror.

### To the Orange County Fire Authority:

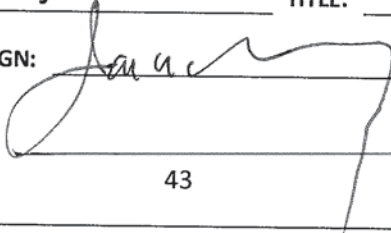
The Undersigned hereby offers and shall furnish the services in compliance with all terms, scope of work, conditions, specifications, and amendments in the Request for Proposal which is incorporated by reference as fully set forth herein. The representations herein are made under penalty of perjury.

NAME OF FIRM: Los Angeles Truck Centers, LLC

ADDRESS: 2429 S. Peck Rd

CITY: Whittier STATE: CA ZIP CODE: 90601

PRINTED NAME: James K. Blakely TITLE: Fleet and Gov. Sales

SIGNATURE OF PERSON AUTHORIZED TO SIGN:  DATE: 3/31/21

**EXHIBIT J: SAMPLE MASTER AGREEMENT**

**EXHIBIT “B”  
Pricing Page**





**REQUEST FOR BEST AND FINAL OFFER**  
**RFP JA2487 – FREIGHTLINER CASCADIA**

**DATE BEST AND FINAL OFFER REQUESTED: May 4, 2021**  
**DUE DATE FOR BEST AND FINAL OFFER: May 7, 2021 at 5:00PM**

**Los Angeles Truck Centers, LLC**  
[jblakely@vvgtruck.com](mailto:jblakely@vvgtruck.com)

Dear James Blakely,

Your firm, Los Angeles Truck Centers, submitted a proposal in response to the above referenced Request for Proposal (RFP) issued by the Orange County Fire Authority (OCFA). Los Angeles Truck Centers, has been selected as a finalist for further consideration in the RFP evaluation. As part of the negotiation process, the Orange County Fire Authority is exercising the right to request a Best and Final Offer (BAFO) for further evaluation and consideration.

Los Angeles Truck Centers, is invited to submit its BAFO for consideration in the award determination process. Best and Final Offers must be received no later than **5:00 P.M. May 7, 2021**. The BAFO may be submitted by email.

The purpose of the Best and Final Offer is to allow both OCFA and your firm to make any modifications to the required specifications, terms or conditions, of the contract before making the final decision in the award. In addition, the BAFO also provides your firm an opportunity to make final adjustments to the proposed pricing included in your original proposal.

Based on the submitted proposal, OCFA would like to request any additional pricing improvements you would like to offer to assist in making an award. In addition, further detailed information on warranty information is requested.

Best and Final Offers must be received by the Orange County Fire Authority - Purchasing Section no later than the deadline specified above. If a response is not received by the deadline, your original offer will serve as the final offer. Please submit your response to this request via e-mail to: [jamesaguila@ocfa.org](mailto:jamesaguila@ocfa.org). The Best and Final Offer will further assist in making our final award recommendation.

Thank you again for your continued interest in doing business with Orange County Fire Authority.

Best Regards,

A handwritten signature in black ink, appearing to read "James Aguila".

James Aguila  
Assistant Purchasing Agent

**TO THE ORANGE COUNTY FIRE AUTHORITY:**

The Undersigned hereby amends the original proposal as indicated in this Best and Final Offer and shall provide the Freightliner Cascadia in compliance with all terms, conditions, specifications, and amendments in the Request for Proposal which is incorporated by reference as if fully set forth herein. The representations herein are made under penalty of perjury.

A handwritten signature in black ink, appearing to read "James K. Blakely".  
\_\_\_\_\_  
Signature of Person Authorized to Sign  
**James K. Blakely**

Printed Name

05/04/2021

\_\_\_\_\_  
Date  
Fleet and Government Sales

\_\_\_\_\_  
Title

**BEST AND FINAL OFFER PRICING**

The initial proposal pricing that was submitted is provided below with an additional section provided for a BAFO adjustment. As a result of the vendor interview, the following changes are requested to be included in the BAFO pricing consideration:

				Original Proposal Pricing		BAFO Pricing	
Item	Description	UoM	Qty	Unit Price	Ext. Total	Unit Price	Ext. Total
1	<b>2022 FREIGHTLINER CASCADIA</b> Per Specification No. 22-52-01 YEAR: <u>2022/2023</u> MAKE: <u>Freightliner</u> MODEL: <u>Cascadia 116SLP</u>	Each	1	\$242,799.00	\$242,799.00	\$242,799.00	\$242,799.00
<b>Sales Tax (7.75%)</b>					\$18,816.92	\$18,823.51	\$18823.51
<b>Subtotal</b>					\$261,615.92	\$261,622.51	\$261,622.51
2	Tire Fee per vehicle, non-taxable	Each	1	\$19.25	\$19.25	\$19.25	\$19.25
3	Exact transportation charges, if any, non-taxable	Each	1	\$350.00	\$350.00	\$350.00	\$350.00
4	Documentation Fees	Each	1	\$115.00	\$115.00	\$115.00	\$115.00
5	Final Inspection Trip cost <b>per person</b>	Each	2	\$0.00	\$0.00	\$0	\$0
<b>Total</b>					\$262100.17		\$262,106.76

## OPTIONAL PRICING INFORMATION

				Original Proposal Pricing	BAFO Pricing
Item	Description	Unit of Measure	Qty	Unit Price	Unit Price
6	EW4 7 YR ENG 250K Miles	Each	1	\$6,495.00	6495.00
7	TC4 7 YR/100K Cab & Chassis Coverage	Each	1	\$4,000.00	4000.00
8	7 YR Trans	Each	1	\$500.00	500.00
9	5 YR Clutch	Each	1	\$500.00	500
10	7 YR Tow Policy (\$1,200 Coverage per warranty failure)	Each	1	\$2,200.00	2200.00
11	Total of 4 Keys/Fobs	Lot	1	0-	0

Please confirm what the most realistic delivery lead time would be after award of a purchase order. For your estimate, please assume the earliest date a purchase order could be issued is June 1, 2021.

1. What is the maximum number of days from the date the Purchase Order is awarded until the Freightliner Cascadia is delivered to OCFA?

365 days

2. Please provide any additional information you would like OCFA to consider:

There are five keys with the bid included

## **EXHIBIT "C"**

### **Insurance Requirements**

**C1.** Compliance with Insurance Requirements. Firm shall obtain, maintain, and keep in full force and effect during the term of this Agreement, at its sole cost and expense, and in a form and content satisfactory to OCFA, all insurance required under this section. Firm shall not commence any Services under this Agreement unless and until it has provided evidence satisfactory to OCFA that it has secured all insurance required under this section. If Firm's existing insurance policies do not meet the insurance requirements set forth herein, Firm agrees to amend, supplement or endorse the policies to meet all requirements herein.

**C2.** Types of Insurance Required. Without limiting the indemnity provisions set forth in this Agreement, Firm shall obtain and maintain in full force and effect during the term of this Agreement, including any extension thereof, the following policies of insurance:

**C2.1** Commercial General Liability Insurance. Firm shall obtain and maintain, in full force and effect throughout the term of this Agreement, Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including property damage, bodily injury and personal & advertising injury with limits no less than one million dollars (\$1,000,000.00) per occurrence and two million dollars (\$2,000,000.00) aggregate. If a general aggregate limit applies, the general aggregate limit shall be no less than two million dollars (\$2,000,000.00). Coverage for products and completed operations is required with limits no less than two million dollars (\$2,000,000.00) aggregate. CGL insurance shall be provided on an occurrence-based coverage form; a "claims made" CGL policy is not acceptable. Firm shall maintain CGL insurance with per-claim, aggregate and products and operations completed limits no lower than the minimum CGL coverage limits set forth above. Defense costs shall be paid in addition to the limits. The policy shall contain no endorsements or provisions limiting coverage for any of the following: (1) contractual liability; (2) cross liability exclusion for claims or suits by one insured against another; or (3) any other exclusion contrary to this Agreement.

**C2.2** Automobile Liability Insurance. Firm shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Automobile liability insurance written on a per occurrence basis with limits of at least one million dollars (\$1,000,000.00) combined limit for each occurrence covering bodily injury, disease and property damage. Defense costs shall be paid in addition to the policy limits. The policy shall specifically include coverage for owned, non-owned, leased, and hired automobiles, and be endorsed to eliminate any exclusion applicable to any of them.

**C2.3** Products Liability Insurance. Firm shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Products liability insurance with limits of at least one million dollars (\$1,000,000.00)

**C2.4** Workers' Compensation Insurance. Firm shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Workers' Compensation Insurance with limits no less than one million dollars (\$1,000,000.00), and in compliance with all other statutory requirements applicable in the State of California. Firm hereby waives on its own behalf, and shall obtain an endorsement from its workers' compensation

insurer waiving on the insurance company's behalf, all rights of subrogation against the OCFA, its board members, officials, officers, employees, agents and volunteers.

**C2.5.1** If subconsultants or subcontractors are used, Firm shall require each of its subconsultants and subcontractors, if any, to waive all rights of subrogation, and to obtain endorsements from the subconsultants'/subcontractors' workers' compensation insurers waiving all rights of subrogation, against the OCFA, its board members, officials, officers, employees, agents and volunteers.

**C2.5.2** Firm and each of its subconsultants and subcontractors shall also maintain, in full force and effect throughout the term of this Agreement, Employer's Liability Insurance with limits of at least one million dollars (\$1,000,000.00) per injury or illness.

**C3.** Acceptability of Insurers. Each insurance policy required by this section shall be issued by a licensed company authorized to transact business by the Department of Insurance for the State of California with a current rating of A-:VII or better (if an admitted carrier), or a current rating of A:X or better (if offered by a non-admitted insurer listed on the State of California List of Approved Surplus Line Insurers (LASLI)), by the latest edition of A.M. Best's Key Rating Guide, except that the OCFA will accept workers' compensation insurance from the State Compensation Fund. In the event the OCFA determines that the Services to be performed under this Agreement creates an increased or decreased risk of loss to the OCFA, the Firm agrees that the minimum limits of the insurance policies may be changed accordingly upon receipt of written notice from the OCFA.

**C3.1** Firm shall immediately replace any insurer whose A.M. Best rating drops below the levels specified herein with an insurer that meets the minimum requirements herein.

**C4.** Specific Insurance Provisions and Endorsements. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the OCFA for written approval. Required insurance policies shall contain the following provisions, or Firm shall provide endorsements on forms approved by the OCFA to add the following provisions to the insurance policies:

**C4.1** CGL and Auto Liability Endorsements. The policy or policies of insurance required by this Agreement for CGL and Automobile Liability Insurance shall be endorsed as follows:

**C4.1.1** Additional Insured: The OCFA, its board members, officials, officers, employees, agents and volunteers, shall be additional insureds; and

Additional Insured Endorsements: Additional insured endorsements shall not (1) be restricted to "ongoing operations", (2) exclude "contractual liability", (3) restrict coverage to "sole" liability of Firm, (4) contain any other exclusions contrary to the Agreement; or (5) contain special limitations on the scope of protection afforded to additional insureds.

**C4.1.2** Primary, Non-Contributing. Each CGL and Auto Liability insurance policy shall be endorsed to be primary and any other insurance, deductible, or self-insurance

maintained by the OCFA, its board members, officials, officers, employees, agents or volunteers, shall not contribute with the primary insurance.

**C4.2** Notice of Cancellation: Each policy of any type shall be endorsed to provide that coverage shall not be suspended, voided, cancelled, or modified, or reduced in coverage or in limits, except after thirty (30) days prior written notice has been provided to the OCFA. Notwithstanding the foregoing, if coverage is to be suspended, voided, or cancelled because of Firm's failure to pay the insurance premium, the notice provided by the insurer to OCFA shall be by not less than ten (10) days prior written notice. (A statement that notice will be provided "in accordance with the policy terms" or words to that effect is inadequate to meet the requirements of this Section).

**C4.2.1** Pre-Payment of Policy Premium. If for any reason an insurer declines to issue an endorsement certifying that it will notify OCFA in accordance with section 6.4.2, Firm shall either obtain insurance from another insurer who will provide the required notice endorsement or shall provide evidence satisfactory to OCFA that the entire policy premium for the full term of that policy has been pre-paid such that the risk of non-payment of premiums during the term of the policy has been eliminated.

**C4.3** ACORD Forms Will Not Be Accepted in Lieu of Endorsements. By executing this Agreement, Firm certifies that it has – prior to execution of this Agreement - confirmed that its insurance company will issue each of the endorsements required by this Agreement. Firm also certifies that it understands that "ACORD" Certificate of Liability Insurance forms will not be accepted in lieu of required endorsements.

**C5.** Deductibles and Self-Insured Retentions. Any deductible or self-insured retention must be approved in writing by the OCFA in advance. The decision whether to approve or withhold approval of a deductible or self-insured retention shall be made by the OCFA in the OCFA's sole and absolute discretion. (Firm may request pre-approval from OCFA of a deductible or self-insured retention prior to submitting Firm's Proposal).

**C6.** Waiver of Subrogation. All policies of Commercial General Liability and Automobile Liability Insurance shall contain or be endorsed to waive subrogation against the OCFA, its officials, officers, employees, agents and volunteers, or shall specifically allow Firm or others providing insurance evidence in compliance with the requirements set forth in this section to waive their right to recovery prior to a loss. Firm hereby agrees to waive its own right of subrogation against the OCFA, its officials, officers, employees, agents and volunteers.

**C6.1** Waivers of Subrogation: Subconsultants and Subcontractors. If OCFA approves the use of subconsultants or subcontractors for the performance of any portion of the Services, then Firm shall obtain from each subconsultant and subcontractor, and make available to OCFA upon request, written express waivers by each subconsultant and subcontractor of the right of subrogation against the OCFA, its officials, officers, employees, agents and volunteers, and policy endorsements of each of its subconsultants' and subcontractors' insurance policies waiving any rights of subrogation against the OCFA, its officials, officers, employees, agents and volunteers insurer. All such waivers and endorsements shall be obtained prior to commencement of any Services by each subconsultant or subcontractor.

**C7.** Evidence of Coverage. Concurrently with the execution of the Agreement, Firm shall deliver certificates of insurance together with original endorsements affecting each of the insurance policies required to be maintained by Firm by this Section 5. Firm shall promptly furnish, at OCFA's request, copies of actual policies including all declaration pages, endorsements, exclusions and any other policy documents OCFA requires to verify coverage.

**C7.1** Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the OCFA for written approval.

**C7.2** Authorized Signatures. The certificates of insurance and original endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf.

**C7.3** Renewal/Replacement Policies. At least fifteen (15) days prior to the expiration of any policy required by this Agreement, evidence of insurance showing that such insurance coverage has been renewed or extended shall be filed with the OCFA. If such coverage is cancelled or reduced and not replaced immediately so as to avoid a lapse in the required coverage, Firm shall, within ten (10) days after receipt of written notice of such cancellation or reduction of coverage, file with the OCFA evidence of insurance showing that the required insurance has been reinstated or has been provided through another insurance company or companies meeting all requirements of this Agreement.

**C8.** Requirements Not Limiting. Requirement of specific coverage or minimum limits contained in this section are not intended as a limitation on coverage, limits, or other requirements, or a waiver of any coverage normally provided by any insurance. Nothing in this section shall be construed as limiting in any way the indemnification provision contained in this Agreement, or the extent to which Firm may be held responsible for losses of any type or amount.

**C9.** Enforcement of Agreement (Non-Estoppel). Firm acknowledges and agrees that actual or alleged failure on the part of the OCFA to inform Firm of any non-compliance with any of the insurance requirements set forth in this Agreement imposes no additional obligation on the OCFA nor does it waive any rights hereunder.

**C10.** Insurance for Subconsultants. If OCFA approves the use of subconsultants or subcontractors for the performance of any portion of the Services, then Firm shall be responsible for causing each approved subconsultant and subcontractor to procure and maintain insurance in the same types and amounts required for Firm, and in full compliance with the insurance requirements set forth in this Agreement, except as otherwise authorized in writing by the Contract Manager.

**C10.1** Delivery of Evidence of Subcontractor Insurance. Upon request of OCFA, Firm shall deliver to OCFA all certificates of insurance and endorsements required from subcontractors and subconsultants. (Note: Firm's duty to obtain all required insurance for subcontractors and subconsultants required under this Agreement applies whether or not OCFA requests delivery of evidence of such coverage.)

**C11.** Other Insurance Requirements. The following terms and conditions shall apply to the insurance policies required of Firm and its subconsultants and subcontractors, if any, pursuant to this Agreement:

**C11.1** Firm shall provide immediate written notice to OCFA if (1) any of the insurance policies required herein are terminated, cancelled, suspended, or non-renewed (2) the limits of any of the insurance coverages required herein are reduced; (3) any required insurance coverage is reduced below the required minimum limits through claims or otherwise, or (4) the deductible or self-insured retention is increased.

**C11.2** All insurance coverage and limits required under this Agreement are intended to apply to each insured, including additional insureds, against whom a claim is made or suit is brought to the full extent of the policies. Nothing contained in this Agreement or any other agreement relating to the OCFA or its operations shall limit the application of such insurance coverage.

**C11.3** None of the insurance coverages required herein will be in compliance with the requirements of this section if they include any limiting endorsement which substantially impairs the coverages set forth herein (e.g., elimination of contractual liability or reduction of discovery period), unless the endorsement has first been submitted to the OCFA and approved in writing.

**C11.4** Certificates of insurance will not be accepted in lieu of required endorsements, and submittal of certificates without required endorsements may delay the Project. It is Firm's obligation to ensure timely compliance with all insurance submittal requirements as provided herein and Firm agrees to reimburse OCFA for any losses resulting from its failure, or its subconsultants' or subcontractors' failure, to timely comply with the requirements of this Agreement.

**C11.5** Firm agrees to ensure that subconsultants and subcontractors, if any, and any other parties involved with the Project who are brought onto or involved in the Project by Firm, provide the same minimum insurance coverage required of Firm. Firm agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Firm agrees that upon request, all agreements with, and evidence of insurance from, subconsultants and subcontractors and others engaged in performing any Services will be submitted to the OCFA for review.

**C11.6** Firm agrees to provide immediate written notice to OCFA of any claim, demand or loss arising out of the Services performed under this Agreement and for any other claim, demand or loss which may reduce the insurance available to an amount less than required by this Agreement.

**C12.** Indemnification: To the fullest extent permitted by law, Firm shall defend (at Firm's sole cost and expense with legal counsel reasonably acceptable to OCFA), indemnify and hold the OCFA, its board members, officials, officers, employees, agents and volunteers, free and harmless from any and all claims, demands, orders, causes of action, costs, expenses, liabilities, losses, penalties, judgments, arbitration awards, settlements, damages or injuries of



any kind, in law or in equity, including but not limited to property or persons, including wrongful death, (collectively "Claims") in any manner arising out of, pertaining to, related to, or incident to any alleged acts, errors or omissions, or willful misconduct of Firm, its officers, directors, employees, subconsultants, subcontractors, agents or invitees in connection with performance under this Agreement, or in any manner arising out of, pertaining to, related to, or incident to an alleged breach of this Agreement, including without limitation the payment of all consequential damages, expert witness fees and attorneys' fees and other related costs and expenses.

Notwithstanding the foregoing, and only to the extent that the Services performed by Firm are subject to California Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Firm.

Under no circumstances shall the insurance requirements and limits set forth in this Agreement be construed to limit Firm's indemnification obligation or other liability hereunder. Notwithstanding the foregoing, such obligation to defend, hold harmless and indemnify the OCFA, its board members officials, officers, employees, agents and volunteers, shall not apply to the extent that such Claims are caused by the sole negligence or willful misconduct of that indemnified party

**EXHIBIT “D”**  
**Special Terms and Conditions**



Orange County Fire Authority  
**AGENDA STAFF REPORT**

Executive Committee Meeting  
May 27, 2021

Agenda Item No. 2F  
Consent Calendar

**Fourth Amendment to the  
Advanced Life Support Billing Agreements**

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**Contact(s) for Further Information**

Robert Cortez, Assistant Chief  
Business Services Department

[robertcortez@ocfa.org](mailto:robertcortez@ocfa.org)

714.573.6012

Randy Black, Assistant Chief  
EMS and Training Department

[randyblack@ocfa.org](mailto:randyblack@ocfa.org)

714.573.6008

**Summary**

This item is submitted to request approval of the fourth amendment to the Ambulance Billing Agreement between OCFA and the current 911 Emergency Ambulance Transportation Services providers. The fourth amendment seeks to extend the Medical Supplies Reimbursement Rate cost recovery evaluation period by an additional 60-days through July 31, 2021.

**Committee Action**

Not Applicable.

**RECOMMENDED ACTION(S)**

Approve and authorize the Board Chair to sign the fourth amendment to the Advanced Life Support Billing Agreement to extend the Medical Supply Reimbursement analysis term from June 1, 2021 to July 31, 2021.

**Impact to Cities/County**

Based on actions already taken by the Orange County Board of Supervisors, cities will continue to be served by either CARE Ambulance Service or Emergency Ambulance Service.

**Fiscal Impact**

Approval of the extension will ensure continuation of the cost recovery reimbursements that OCFA receives for Fiscal Year 2020-21. Annual cost recovery reimbursement may change in future years after FY 2020-21 based on the results of the current cost recovery study.

**Background**

On May 28, 2020, the OCFA Board of Director's approved the third amendment to the Advanced Life Support Billing/Reimbursement Agreements. The third amendment continued the annual cost recovery reimbursements that OCFA receives for BLS and ALS services provided by OCFA personnel for the Fiscal Year 2020-21.

The United States Department of Health and Human Services, Centers for Medicare and Medicaid Services (CMS), has issued regulations allowing BLS ambulance providers to bill for ALS services rendered by a separate entity as long as a written billing agreement exists between the parties. Consistent with these requirements, the current 911 Emergency Transportation providers (CARE

Ambulance and Emergency Ambulance Service Inc.) previously entered into agreements with OCFA in order to bill for the ALS services and medical supplies and to pass through reimbursement to OCFA for the specified services provided to patients.

The third amendment established a 5-year continuation of the ALS Reimbursement Rate (\$274.38\*), and a one-year continuation of the Medical Supply Reimbursement Rate (\$30.65). As requested by the service providers, the one-year continuation of the Medical Supply Reimbursement Rate would allow the OCFA and service providers to work collectively to evaluate rate cost recovery and collectively assess whether an adjustment to the Medical Supply Reimbursement Rate, either up or down, is warranted by no later than June 1, 2021. In the event that the parties cannot agree on a new Medical Supply Reimbursement Rate following such evaluation, either party may suspend the Medical Supply Reimbursement Rate until the parties agree on a new rate.

The Medical Supply Reimbursement Rate cost recovery analysis was completed and negotiations are ongoing. Both OCFA and the service providers agree that extending the rate cost recovery evaluation period for an additional 60-days (through July 31, 2021), will allow for continued negotiations on an updated Medical Supply Reimbursement Rate. Once parties reach a tentative agreement, the updated reimbursement rate will come before the OCFA Board of Directors at a future meeting for consideration.

#### **Attachment(s)**

1. Care Ambulance Service, Inc. – Fourth Amendment to Advanced Life Support Billing Agreement
2. Emergency Ambulance Service, Inc. – Fourth Amendment to Advanced Life Support Billing Agreement

\*ALS Reimbursement Rate for Medicare patients or patients with Medi-Medi or Medicare+Choice have a maximum rate of ALS-1 or ALS-2 increment (per 2015 original agreement).

**FOURTH AMENDMENT TO  
ADVANCED LIFE SUPPORT SERVICES  
BILLING AGREEMENT**

This Fourth Amendment to Advanced Life Support Services Billing Agreement ("Fourth Amendment") is made and entered into this 27<sup>th</sup> day of May 2021 by and between the ORANGE COUNTY FIRE AUTHORITY, a Joint Powers Agency organized pursuant to the provisions of Article 1, Chapter 5, Division 7, Title 1 (commencing with Section 6500) of the California Government Code, hereinafter referred to as "OCFA," and CARE AMBULANCE SERVICE, Inc., hereinafter referred to as "Contractor." OCFA and Contractor are sometimes referred to collectively herein as the "Parties."

**RECITALS**

A. OCFA and Contractor entered into that certain Advance Life Support Services Billing Agreement on May 21, 2015, as amended by that certain Amendment to Advanced Life Support Services Billing Agreement on November 18, 2015, that certain Second Amendment to Advanced Life Support Services Billing Agreement on March 22, 2018, and that certain Third Amendment to Advanced Life Support Services Billing Agreement on May 28, 2020 (collectively, "ALS Agreement") which is incorporated herein by this reference.

B. Pursuant to the ALS Agreement, Contractor is obligated to pay OCFA the established ALS Reimbursement Rate for each service call where OCFA personnel perform advance life support ("ALS") services to patients who also receive ambulance transport services from Contractor.

C. Pursuant to the ALS Agreement, Contractor is obligated to pay OCFA the established Medical Supply Reimbursement Rate for each service call where OCFA personnel perform ALS services or Basic Life Support ("BLS") services to patients who also receive ambulance transport services from Contractor.

D. Pursuant to that certain Third Amendment to Advanced Life Support Services Billing Agreement, entered into on May 28, 2020, the Parties agreed to retain the current ALS Reimbursement Rate and Medical Supply Reimbursement Rate specified in the ALS Billing Agreement and to suspend any increases in the OCFA's ALS Reimbursement Rate and Medical Supply Reimbursement for the term of the ALS Billing Agreement, provided that the Parties would evaluate rate cost recovery and collectively assess whether an adjustment to the Medical Supply Reimbursement Rate, either up or down, was warranted by no later than June 1, 2021 ("Cost Recovery Evaluation").

E. The Parties desire to amend the ALS Agreement extend the June 1, 2021 deadline for completing the Cost Recovery Allocation to July 31, 2021.

NOW, THEREFORE, the Parties hereto mutually agree as follows:

**AGREEMENT**

1. The foregoing recitals are true and correct and are incorporated herein by this reference.

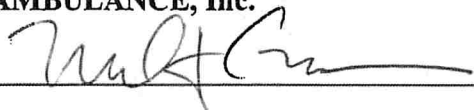
2. Section 2.3.1 of the ALS Agreement is amended to read as follows:

**“2.3.1 Suspension of Annual Adjustment to Medical Supply Reimbursement Rate.** Irrespective of any County-approved increase to the BLS Base Rate that may occur on or after May 28, 2020, the Medical Supply Reimbursement Rate shall remain fixed at the amount specified in Section 2.3. Notwithstanding the foregoing, the Parties agree to evaluate rate cost recovery and collectively assess whether an adjustment to the Medical Supply Reimbursement Rate, either up or down, is warranted by no later than July 31, 2021. The evaluation of the rate is requested by the Contractor to determine if Contractor is being appropriately compensated. Any such adjustment must be approved in writing as an amendment to this ALS Agreement. In the event that the Parties cannot agree on a new Medical Supply Reimbursement Rate following such evaluation, either Party may suspend the Medical Supply Reimbursement Rate until such time as the Parties agree on a new rate.”

3. Except as expressly modified by this Fourth Amendment, all terms and conditions of the ALS Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the Parties hereto have executed this Fourth Amendment, to be effective on the date first set forth above.

**CARE AMBULANCE, Inc.**

Sign: 

Date: MAY 17, 2021

Name: MICHAEL GORMAN

Title: REGIONAL MANAGING DIRECTOR

**ORANGE COUNTY FIRE AUTHORITY**

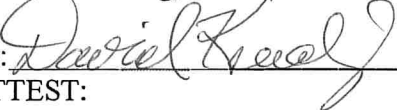
By: \_\_\_\_\_

Dave Shawver, Chair  
OCFA Board of Directors

Date: \_\_\_\_\_

APPROVED AS TO FORM:

David E. Kendig, General Counsel

By: 

ATTEST:

By: \_\_\_\_\_  
Maria D. Huizar, Clerk of the Authority

**FOURTH AMENDMENT TO  
ADVANCED LIFE SUPPORT SERVICES  
BILLING AGREEMENT**

This Fourth Amendment to Advanced Life Support Services Billing Agreement (“Fourth Amendment”) is made and entered into this 27<sup>th</sup> day of May 2021 by and between the ORANGE COUNTY FIRE AUTHORITY, a Joint Powers Agency organized pursuant to the provisions of Article 1, Chapter 5, Division 7, Title 1 (commencing with Section 6500) of the California Government Code, hereinafter referred to as “OCFA,” and EMERGENCY AMBULANCE SERVICE, Inc., hereinafter referred to as “Contractor.” OCFA and Contractor are sometimes referred to collectively herein as the “Parties.”

**RECITALS**

A. OCFA and Contractor entered into that certain Advance Life Support Services Billing Agreement on May 21, 2015, as amended by that certain Amendment to Advanced Life Support Services Billing Agreement on November 18, 2015, that certain Second Amendment to Advanced Life Support Services Billing Agreement on March 22, 2018, and that certain Third Amendment to Advanced Life Support Services Billing Agreement on May 28, 2020 (collectively, “ALS Agreement”) which is incorporated herein by this reference.

B. Pursuant to the ALS Agreement, Contractor is obligated to pay OCFA the established ALS Reimbursement Rate for each service call where OCFA personnel perform advance life support ("ALS") services to patients who also receive ambulance transport services from Contractor.

C. Pursuant to the ALS Agreement, Contractor is obligated to pay OCFA the established Medical Supply Reimbursement Rate for each service call where OCFA personnel perform ALS services or Basic Life Support ("BLS") services to patients who also receive ambulance transport services from Contractor.

D. Pursuant to that certain Third Amendment to Advanced Life Support Services Billing Agreement, entered into on May 28, 2020, the Parties agreed to retain the current ALS Reimbursement Rate and Medical Supply Reimbursement Rate specified in the ALS Billing Agreement and to suspend any increases in the OCFA's ALS Reimbursement Rate and Medical Supply Reimbursement for the term of the ALS Billing Agreement, provided that the Parties would evaluate rate cost recovery and collectively assess whether an adjustment to the Medical Supply Reimbursement Rate, either up or down, was warranted by no later than June 1, 2021 (“Cost Recovery Evaluation”).

E. The Parties desire to amend the ALS Agreement extend the June 1, 2021 deadline for completing the Cost Recovery Allocation to July 31, 2021.



NOW, THEREFORE, the Parties hereto mutually agree as follows:

**AGREEMENT**

1. The foregoing recitals are true and correct and are incorporated herein by this reference.

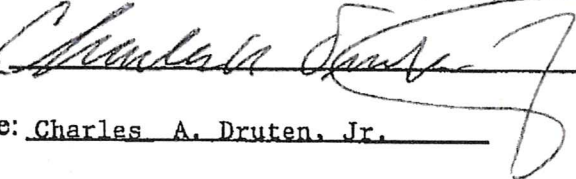
2. Section 2.3.1 of the ALS Agreement is amended to read as follows:

**“2.3.1 Suspension of Annual Adjustment to Medical Supply Reimbursement Rate.** Irrespective of any County-approved increase to the BLS Base Rate that may occur on or after May 28, 2020, the Medical Supply Reimbursement Rate shall remain fixed at the amount specified in Section 2.3. Notwithstanding the foregoing, the Parties agree to evaluate rate cost recovery and collectively assess whether an adjustment to the Medical Supply Reimbursement Rate, either up or down, is warranted by no later than July 31, 2021. The evaluation of the rate is requested by the Contractor to determine if Contractor is being appropriately compensated. Any such adjustment must be approved in writing as an amendment to this ALS Agreement. In the event that the Parties cannot agree on a new Medical Supply Reimbursement Rate following such evaluation, either Party may suspend the Medical Supply Reimbursement Rate until such time as the Parties agree on a new rate.”

3. Except as expressly modified by this Fourth Amendment, all terms and conditions of the ALS Agreement shall remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the Parties hereto have executed this Fourth Amendment, to be effective on the date first set forth above.

**EMERGENCY AMBULANCE SERVICE, Inc.**

Sign: 

Date: May 20, 2021

Name: Charles A. Druten, Jr.

Title: Chief Operating Officer

**ORANGE COUNTY FIRE AUTHORITY**

By: \_\_\_\_\_  
Dave Shawver, Chair  
OCFA Board of Directors

Date: \_\_\_\_\_

APPROVED AS TO FORM:  
David E. Kendig, General Counsel

By: 

ATTEST:

By: \_\_\_\_\_  
Maria D. Huizar, Clerk of the Authority